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WAGES AND HOURS OF LABOR SERIES

WAGES AND HOURS OF LABOR IN FOUNDRIES AND MACHINE SHOPS 1927



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WAGES AND HOURS OF LABOR IN FOUNDRIES AND MACHINE SHOPS IN 1927

INTRODUCTION AND SUMMARY

This bulletin presents the results of a study of wages and hours of labor by occupations in representative foundries and machine shops in the United States in the summer of 1927. It was not practicable for the bureau to make a complete census of all plants, but data were obtained from a sufficient number in each State in which the industry is of material importance to represent fairly the conditions in those States and in the country as a whole. The 28 States included in the study were determined by the number of wage earners reported in the industry by the Census of Manufactures of the United States, each having a sufficient number of wage earners in the industry to warrant inclusion. In the States not included in the report there are, according to the Census of Manufactures, only 5 per cent of the total number of wage earners employed in these closely correlated industries.

Average hours and earnings for 1927 are presented in this report by occupations for a total of 38,943 wage earners in 417 foundries and 86,779 wage earners in 526 machine shops. Summary figures for 1923 for 32,166 wage earners in 351 foundries and 58,914 wage earners in 429 machine shops, and for 1925 for 40,393 wage earners in 413 foundries and 86,274 wage earners in 511 machine shops are shown in Table 1 by occupations in comparison with 1927 averages. The 1923 figures were drawn from Bulletin No. 362 and those for 1925 from Bulletin No. 422.

Average full-time hours per week for males in foundries, for the United States as a whole, were 52.4 in 1923, 51.5 in 1925, and 51.1 in 1927, and in machine shops were 50.8 in 1923, 50.4 in 1925, and 50.1 in 1927, thus showing a slight decrease in full-time hours each year over the preceding 2-year period. The averages for males are the same as for both sexes combined, due to the fact that in foundries only 310 of the 32,166 employees covered in 1923, 478 of the 40,393 employees covered in 1925, and 439 of the 38,943 employees covered in 1927 were females, and that in machine shops only 408 of the 58,914 employees included in 1923, 1,075 of the 86,274 employees covered in 1925, and 1,470 of the 86,779 employees covered in 1927 The average hours for females in foundries were 49.3 per week in 1923, and 49 in 1925 and 1927, and in machine shops 49.1 per week in 1923, 49.3 in 1925, and 48.9 in 1927. In 1927 the average full-time hours per week by occupations for males in foundries range from 49.9 for molders, hand, floor, to 52.6 for crane operators, and those of females range from 48.4 for core makers to 50.6 for the group designated as "other employees."

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Average earnings per hour in foundries for males in all occupations combined were 56 cents in 1923, 61.2 cents in 1925, and 62.6 cents in 1927; for females, 40.4 cents in 1923, 42.7 cents in 1925, and 45.9 cents in 1927; and for both sexes in all occupations combined 55.8 cents in 1923, 61 cents in 1925, and 62.4 cents in 1927. Average earnings per hour by occupations for males in 1927 range from 48.4 cents for floor molders' helpers, to 83 cents for pattern makers, and for females were 38 cents for other employees and 49.1 cents for coremakers.

In machine shops average earnings per hour for males in all occupations combined were 56 cents in 1923, 60.4 cents in 1925, and 62.9 cents in 1927; for females, 36.6 cents in 1923, 42 cents in 1925, and 40.3 cents in 1927; and for both sexes in all occupations combined, 55.9 cents in 1923, 60.2 cents in 1925, and 62.5 cents in 1927. Average earnings per hour by occupations for males in 1927 range from 45.6 cents for laborers to 84.1 cents for pattern makers. Pattern makers in machine shops were included with "other skilled employees" in 1923 and 1925. Averages for females in 1927 range from 30.9 cents per hour for the group designated as "other employees" to 54.9 cents for turret lathe hands and operators.

Average full-time earnings per week in foundries for males in all occupations combined were \$29.34 in 1923, \$31.52 in 1925, and \$31.99 in 1927; for females, \$19.92 in 1923, \$20.92 in 1925, and \$22.49 in 1927; and for both sexes in all occupations combined or the industry average full-time earnings were \$29.24 per week in 1923, \$31.42 in 1925, and \$31.89 in 1927. Average full-time earnings per week by occupations for males in 1927 range from \$24.78 for floor molders' helpers to \$41.75 for pattern makers. In machine shops average full-time earnings per week for males in all occupations combined were \$28.45 in 1923, \$30.44 in 1925, and \$31.51 in 1927; for females, \$17.97 in 1923, \$20.71 in 1925, and \$19.71 in 1927; and for both sexes or the industry full-time earnings were \$28.40 per week in 1923, \$30.34 in 1925, and \$31.31 in 1927. Average full-time earnings per week by occupations for males in 1927 range from \$22.98 for laborers to \$41.71 for pattern makers, and for females range from \$16.27 for other precision machine hands and operators to \$27.45 for turret lathe hands and operators.

Table 1.—Average hours and earnings, 1923, 1925, and 1927, by occupation and sex FOUNDRIES

Occupatio n	Sex	Year	Num- ber of estab- lish- ments	Num- ber of em- ployees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
Chippers and rough grinders	Male do	1923 1925 1927	319 383 379	2, 923 4, 110 3, 857	52. 5 51. 5 51. 1	\$0.465 .521 .537	\$24. 41 26. 83 27. 44
Core makers	Female Male do Female do	1927 1923 1925 1927 1923 1925 1927	345 393 401 22 43	(1) 2, 526 3, 067 3, 040 240 353 324	(1) 51. 4 50. 3 50. 4 49. 2 48. 6 48. 4	(1) . 690 . 734 . 755 . 431 . 444 . 491	(1) 35, 47 36, 92 38, 05 21, 21 21, 58 23, 76

¹ Included in total.

Table 1.—Average hours and earnings, 1923, 1925, and 1927, by occupation and sex—Continued

FOUNDRIES-Continued

O ecupatio n	Sex	Year	Number of establishments	Num- ber of em- ployees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
Crane operators	do	1923 1925	197 236 242	593 772	53. 5 52. 7 52. 6	\$0. 522 . 562	\$27, 98 29, 62 30, 28
Cupola tenders	do	1927 1923 1925	342 380	875 556 567	52. 4 51. 9	. 575 . 546 . 635	28, 61 32, 96
Laborers	do do Female	1927 1923 1925 1927 1923	393 343 389 401	9, 265 10, 931 11, 017 68	51. 8 53. 5 52. 5 52. 1 49. 4	. 620 . 428 . 481 . 491 . 316	32. 12 22. 90 25. 25 25. 58 15. 61
Molders, hand, bench	do Male do	1925 1923 1925	8 17 262 325	125 2, 379 2, 363	50, 2 51, 3 50, 2	.382 .687 .768	19. 18 35. 24 38. 55
Molders, hand, floor	. do -	1927 1923 1925	324 346 401	2, 063 4, 904 5, 612	50. 5 51. 2 50. 4	.789 .729 .802	39. 84 37. 32 40. 42
Molders, machine	do do	1927 1923 1925 1927	402 161 229 220	5, 375 1, 993 3, 140 3, 102	49. 9 51. 9 50. 1 50. 4	. 820 . 678 . 733 . 753	40. 92 35. 19 36. 72 37. 95
Molders' helpers, floor Pattern makers	do do	1923 1925 1927	234 285 247	1, 986 2, 642 1, 820	52. 2 51. 8 51. 2	. 433 . 460 . 484	22, 60 23, 83 24, 78
Rough carpenters	do do	1927	283 346 259	1,314 1,827 1,512	51. 1 50. 4 50. 3	. 750 . 804 . 830	38. 38 40. 52 41. 75
		1923 1925 1927	261 293 292	680 634 625	52. 0 51. 1 50. 8	. 534 . 591 . 609	27. 77 30. 20 30. 94
Sand blasters ² Other employees	do do do Female do	1927 1923 1925 1927 1923 1925 1927	175 304 378 365 2 (*)	362 2,737 4,250 4,254 2 (3) 107	51. 7 53. 6 52. 7 51. 0 51. 0 (3) 50. 6	. 591 . 503 . 576 . 587 . 205 (3) . 380	30, 55 26, 96 30, 36 29, 94 10, 46 (3) 19, 23
All occupations	MaledodoFemaledododo	1923 1925 1927 1923 1925 1927	351 413 417 22 43 42	31, 856 39, 915 38, 504 310 478 439	52. 4 51. 5 51. 1 49. 3 49. 0 49. 0	. 560 . 612 . 626 . 404 . 427 . 459	29. 34 31. 52 31. 99 19. 92 20. 92 22. 49
All occupations, male and female		1923 1925 1927	351 413 417	32, 166 40, 393 38, 943	52. 4 51. 5 51. 1	. 558 . 610 . 624	29. 24 31. 42 31. 89
<u> </u>	ACHINE S	SHOPS			,		<u> </u>
Assemblers	Maledo do Female	1923 1925 1927 1923 1925	310 306 368 6 9	5, 681 7, 151 8, 019 54 150	50. 6 49. 6 50. 1 50. 2 50. 7	\$0. 575 . 634 . 653 . 350 . 444	\$29, 10 31, 45 32, 72 17, 57 22, 51
Blacksmiths	Maledo	1927 1923 1925	14 345 395	120 797 885	49. 5 50. 8 50. 2	. 423 . 678 . 717	20, 94 34, 44 35, 99
Blacksmiths' helpers	do	1927 1923 1925	406 282 298	845 945 857	50. 2 50. 8 50. 5	. 726 . 489 . 504	36. 45 24. 84 25. 45
Boring-mill hands and operators		1927 1923 1925 1927	291 271 341 354	722 1, 455 2, 135 2, 208	50, 2 50, 8 50, 4 50, 7	. 525 . 660 . 688 . 727	26. 36 33. 53 34. 68 36. 86
Buffers and polishers 4	Female	1927 1927	109	580 6	49. 4 49. 0	699	34. 53 22. 0 5

² Included with "Other employees" in 1923 and 1925.
³ Included with laborers.
⁴ Included with "Other machine hands and operators" in 1923 and 1928.

Table 1.—Average hours and earnings: 1923, 1925, and 1927, by occupation and sex—Continued

MACHINE SHOPS-Continued

Occupation	Sex	Year	Number of establishments	Num- ber of em- ployees	Average full- time hours per week	Average earnings per hour	Average full-time weekly earnings
Crane operators	do	1925	167 214	525 754	51. 1 50. 7	\$0. 501 . 524	\$25. 60 26. 57
Drill-press hands and operators	Female Maledodo Female	1927 1927 1923 1925 1927 1923	218 2 350 423 433 5	865 4 3, 634 5, 012 4, 759 33	51. 2 51. 3 50. 8 50. 4 50. 1 49. 5	. 540 . 431 . 527 . 579 . 605 . 410	27. 65 22. 11 26. 77 29. 18 30. 31 20. 30
Fitters and bench hands	do do Male do Female	1925 1927 1923 1925 1927	16 22 271 388 332	93 121 4, 721 8, 157 6, 661	49. 0 49. 4 49. 9 49. 8 49. 5	. 477 . 448 . 616 . 643 . 662	23. 37 22. 13 30. 74 32. 02 32. 77
Grinding-machine hands and operators	do do Maledo	1923 1925 1927 1923 1925 1927	20 221 267 298	60 146 341 1, 255 2, 016 2, 285	49. 0 49. 3 49. 0 50. 5 50. 3	. 420 . 468 . 411 . 586 . 637 . 668	20. 58 23. 07 20. 14 29. 59 32. 04 33. 47
Laborers	Femaledododododododo	1923 1925 1927 1923 1925 1927 1923	(⁸) 5 375 439 459 5	2 (5) 15 8,355 9,833 8,342 30	52. 0 (⁵) 48. 6 51. 1 50. 6 50. 4 48. 2	.310 (*) .444 .418 .456 .456	16. 12 (5) 21. 58 21. 35 23. 07 22. 98 15. 57
Lathe hands and operators, engine	do Male	1925 1927 1923 1925	(5) (5) 347 401 414	(8) (8) 4, 421 5, 856 5, 964	(5) (5) 50. 9 50. 3 50. 2	(5) (5) (63) (63) (63)	(5) (5) 32. 22 33. 35 34. 89
Lathe hands and operators, turret	Female MaledododoFemale	1923	251 328 343 3	7 2, 147 3, 393 3, 167 27	48. 4 50. 5 50. 2 50. 0 49. 9	. 385 . 610 . 647 . 675 . 488	18. 63 30. 81 32. 48 33. 75 24. 35
Machinists	Maledo	1927 1923 1925	8 331 374	3.820	50. 0 50. 0 49. 9	. 549 . 683 . 702	27. 45 34. 15 35. 03
Machinists' and toolmakers' helpers	do	1927 1923 1925	395 251 262	3,794 1,616 1,641	49. 5 50. 4 49. 8	. 728 . 464 . 494	36.04 23.39 24.60
Milling-machine hands and operators	do	1927 1923 1925	269 268 339	1, 671 1, 938 2, 925 2, 872	50. 1 50. 0 49. 7	. 510 . 605 . 653	25. 55 30. 25 32. 45
Packers and craters	do	1927 1923 1925 1927 1923 1925	343 7 3 (3) 274 288 (3) 10	32 17 (3) 1, 488 1, 793 (3)	49. 7 49. 4 48. 8 (3) 50. 5 50. 1 (3) 49. 7	. 685 . 497 . 489 (8) . 520 537 (8) . 354	34. 04 24. 55 23. 86 (3) 26. 26 26. 90 (3) 17. 59
Pattern makers ⁶ Planer hands and operators	do Maledodo	1927 1927 1923	235 272 327	1, 228	49. 5 49. 6 50. 6 50. 2	. 389 . 841 . 663 . 705	19. 26 41. 71 33. 55 35. 39
Screw-machine hands and operators	do	1927 1923 1925	339 177 215 213	1, 818 1, 047 1, 482	50. 5 50. 6 49. 8	. 742 . 564 . 643	37. 47 28. 54 32. 02
Sheet-metal machine operators 7	Female	1927 1927	137 12	10 867 167	49.8 48.7 50.2 48.7	. 664 . 435 . 603 . 420	33. 07 21. 18 30. 27 20. 45
Toolmakers	Maledodo	1923 1925 1927	274 346 354	2, 573	50. 4 50. 0 49. 7	. 693 . 727 . 756	34, 93 36, 35 37, 57

<sup>Included with laborers.
Included with "Other employees."
Included with "Other skilled employees" in 1923 and 1925.
Bending, flanging, and rolling machines, punch presses, and shears. These were included with "Other machine hands and operators" in 1923 and 1925.</sup>

Table 1.—Average hours and earnings, 1923, 1925, and 1927, by occupation and sex—Continued

MACHINE SHOPS-Continued

Occupation	Sex	Year	Number of establishments	Num- ber of em- ployees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
Other machine hands and operators	do Female	1923 1925 1923	289 371 6	2, 670 4, 066 76	50. 5 50. 5 48. 2	\$0.556 .630 .422	\$28. 08 31, 82 20. 34
Other precision machine hands and operators. 8	Male	1925 1927	16 316	201 2, 001	48. 8 50. 5	. 441 . 659	21. 52 33. 28
Other skilled employees	Female Maledodo Female	1927 1923 1925 1927 1923	356 458 468 4	5,312 9,602 11,113	49. 3 50. 9 50. 4 50. 1 51. 3	.330 .618 .647 .650	16. 27 31. 46 32. 61 32. 57 16. 06
Other employees	dododododododod	1925 1927 1923 1925 1927 1923 1925 1925 1927	13 27 386 498 487 8 23 20	215 317 6, 035 9, 715 9, 352 117 143 133	48. 9 47. 7 52. 0 52. 5 50. 3 48. 7 49. 2 49. 3	. 372 . 401 . 459 . 514 . 526 . 325 . 352 . 309	18. 19 19. 13 23. 87 26. 99 26. 46 15. 83 17. 32 15. 23
All occupations	MaledodoFemaledododododododo	1923 1925 1927 1923 1925 1927	429 511 526 19 36 50	58, 506 85, 199 85, 309 408 1, 075 1, 470	50. 8 50. 4 50. 1 49. 1 49. 3 48. 9	. 560 . 604 . 629 . 366 . 420 . 403	28. 45 30. 44 31. 51 17. 97 20. 71 19. 71
All occupations, male and female		1923 1925 1927	429 511 52 6	58, 914 86, 274 86, 779	50, 8 50, 4 50, 1	. 559 . 602 . 625	28. 40 30. 34 31. 31

³ Includes the following machines: Broacher, centering, gear hobber, gear cutter, hobber, key seater, shaper, slotter, speed lathes, special lathes, threader, and other precision machines. These were included with "Other machine hands and operators" in 1923 and 1925.

Table 2 presents for all wage earners of each sex in each State, in foundries and in machine shops, the number of establishments and wage earners included in the 1927 study, average full-time hours per week, average earnings per hour, and average full-time earnings per week.

Average full-time hours per week for males in foundries in 10 States range from 45.3 to 49.7 per week and in 18 States from 50.5 to 54.5 per week, and in machine shops in 12 States from 45 to 49.8 per week, and in 15 States from 50.1 to 54.3 per week. The average full-time hours for females in foundries in 8 States range from 45.6 to 49.2 per week and in 3 States from 50 to 51.6 per week; in machine shops in 5 States the range is from 43 to 49.3 per week and in 3 States from 50 to 51.6 per week.

Average earnings per hour for males in foundries in 6 States range from 39.1 to 48.1 cents, in 7 States from 50 to 59.6 cents, in 14 States from 61.1 to 69.3 cents, and the average in 1 State is 74 cents. In machine shops the average in 1 State is 43.3 cents an hour; the averages in 12 States range from 51.5 to 59.4 cents, in 11 States from 60.2 to 68.5 cents, and in 3 States from 70.1 to 74.6 cents. Average earnings per hour for females in foundries in 8 States range from 40.5 to 47.4 cents and in 3 States from 50.1 to 53.7 cents, and in machine shops in 5 States range from 34.5 to 39.8 cents and in 3 States range from 43.4 to 46.7 cents per hour.

Average full-time earnings per week for males in foundries in 6 States range from \$21.31 to \$24.51, in 6 States from \$25.55 to \$29.98, and in 16 States range from \$30.90 to \$34.71 per week. In machine shops the average in 1 State is \$23.51; the averages in 14 States range from \$26.20 to \$29.94, and in 12 States from \$31.14 to \$34.32 per week. The average earnings for females in foundries in 10 States range from \$19.89 to \$24.25, and in 1 State the average is \$26.21. In machine shops average full-time earnings per week in 5 States range from \$17.01 to \$19.14 and in 3 States range from \$20.18 to \$23.44 per week.

Table 2.—Number of establishments and of wage earners, and average hours and earnings, 1927, by sex and State

M	AT	TO

		F	oundrie	s			Mad	chine sho	ps	
State	Num- ber of estab- lish- ments	Num- ber of em- ploy- ees	Average fulltime hours per week	Average earnings per hour	Average full-time weekly earnings	Num- ber of estab- lish- ments	Num- ber of em- ploy- ees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
AlabamaCaliforniaColorado	4 21 3	265 1, 065 266	54. 1 46. 9 47. 0	\$0.453 .740 .577	\$24. 51 34. 71 27. 12	6 27	365 2, 239	54. 2 46. 0	\$0. 543 . 746	\$29.43 34.32
Connecticut	16	1, 537	52. 2	. 592	30. 90	19	3, 416	50. 9	. 639	32. 53
Georgia	7	493	54. 5		21. 31	8	336	54. 3	. 433	23. 51
Illinois	28	2, 835	49. 5	. 669	33. 12	38	10, 086	49, 7	. 685	34. 04
Indiana	16	2, 419	50. 9	. 589	29. 98	16	2, 944	50, 9	. 566	28. 81
Iowa	11	755	53. 2	. 615	32. 72	9	773	52, 8	. 515	27. 19
Kansas	9	228	53. 9	. 474	25, 55	10	309	51. 1	.518	26. 47
Kentucky	7	159	48. 9	. 500	24, 45	9	407	47. 3	.554	26. 20
Louisiana	5	219	49. 7	. 481	23, 91	6	252	51. 5	.866	29. 15
Maine	4	182	50. 8	. 589	29. 92	4	466	47. 8	. 555	26. 53
Maryland	8	486	52. 1	. 554	28. 86	8	725	47. 7	. 605	28. 86
Massachusetts	28	3, 141	49. 6	. 677	33. 58	40	7,707	48. 9	. 611	29. 88
Michigan	39	4, 389	51. 7	. 640	33. 09	36	5, 626	51. 2	. 627	32. 10
Minnesota	5	439	53. 2	. 596	31. 71	6	656	50. 1	. 593	29. 71
Missouri	12	667	51. 4	. 629	32. 33	21	1, 343	51. 3	. 576	29. 55
New Hampshire	8	195	49. 6	. 635	31. 50	9	657	50. 2	. 638	32. 03
New Jersey	17	2, 380	52. 0	. 627	32. 60	31	4, 016	49. 5	. 647	32. 03
New York	25	2, 747	50. 5	. 657	33. 18	26	8, 740	48. 5	. 662	32. 11
Ohio	52	4, 550	52. 2	. 630	32. 89	89	13, 980	50. 3	.619	31. 14
Oregon	7	224	45. 3	. 659	29. 85	6	313	45. 0	.701	31. 55
Pennsylvania	40	5, 086	51. 1	. 625	31. 94	45	11, 977	51. 2	.622	31. 85
Rhode Island	8	731	51. 5	.611	31. 47	13	1,851	50. 4	. 594	29. 94
Tennessee	7	419	49. 5	.470	23. 27	8	458	49. 2	. 540	26. 57
Texas	10	439	51. 2	.470	24. 06	14	853	49. 8	. 531	26. 44
Washington Wisconsin	13	271 1, 917	46. 9 52. 3	. 693 . 636	32, 50 33, 26	7 15	481 4,333	47. 2 52. 6	.714	33. 70 31. 67
Total	417	38, 504	51. 1	. 626	31. 99	526	85, 309	50. 1	. 629	31. 51

FEMALES

ConnecticutIllinoisIndiana	4 2	60 59	48. 8 50. 0	\$0, 537 , 416	\$26, 21 20, 80	1 2 1	(1) 47 (1)	(1) 51.6 (1)	\$0.391 (1)	\$20. 18
Iowa Kentucky Maine	2	(1) 5	(1) 47. 0	. 446	20,96	1 1	(1) (1)	(1) (1)	(1) (1)	(1) (1)
Massachusetts Michigan Minnesota	2 8 1	7 84 (¹)	48.0 51.6 (1)	. 474 . 434 (1)	22. 75 22. 39 (1)	8 16	84 345	47.9 50.2	. 434 . 467	20, 79 23, 44
New Hampshire New Jersey	4	57	49. 2	. 451	22. 19	1 2 3	(1) 81 277	(1) 50. 0	(1) .377 .389	(1) 18. 85 18. 71
New York Ohio Pennsylvania	2 3	63 23 33	45.6 49.0 48.7	. 501 . 406 . 419	22.85 19.89 20.41	6 5	287 192	48. 1 49. 3 48. 1	.345	17. 01 19. 14
Rhode Island Wisconsin	4	10 31	50.6 46.9	.405	20.49 24.25	2 1	(1) (1)	43. 0 (1)	.415 (1)	19.14 (1)
Total	42	439	49, 0	. 459	22.49	50	1, 470	48. 9	. 403	19. 71

¹ Included in total.

Table 2.—Number of establishments and of wage earners, and average hours and earnings, 1927, by sex and State—Continued

MALES AND FEMALES

]	Foundrie	S			Ma	chine sh	op s	
State	Num- ber of estab- lish- ments	Num- ber of em- ploy- ees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings	Num- ber of estab- lish- ments	Num- ber of em- ploy- ees	Average full-time hours per week	Average earnings per hour	Average full-time weekly earnings
AlabamaCalifornia	4 21 3	265 1, 065	54. 1 46. 9	\$0.453 .740	\$24.51 34.71	6 27	365 2,239	54. 2 46. 0	\$0.543 .746	\$29.43 34.32
Colorado Connecticut Georgia Illinois	16 7 28	266 1, 537 493 2, 895	47.0 52.2 54.5 49.5	. 577 . 592 . 391 . 666	27. 12 30. 90 21. 31 32. 97	19 8 38	3, 419 336 10, 133	50. 9 54. 3 49. 7	. 639 . 433 . 684	32. 53 23. 51 33. 99
Indiana Iowa Kansas	16 11 9	2, 478 758 228	50. 9 53. 2 53. 9	. 586 . 614 . 474	29. 83 32. 66 25. 55	16 9 10	2, 976 773 309	50. 8 52. 8 51. 1	.564 .515 .518	28.65 27.19 26.47
Kentucky Louisiana Maine	7 5 4	164 219 182	48. 8 49. 7 50. 8	.498 .481 .589	24.30 23.91 29.92	9 6 4	429 252 467	47. 4 51. 5 47. 8	. 540 . 566 . 554	25.60 29.15 26.48
Maryland Massachusetts Michigan Minnesota	8 28 39 5	486 3, 148 4, 473 443	52. 1 49. 6 51. 7 53. 1	. 554 . 677 . 636 . 594	28. 86 33. 58 32. 88 31. 54	8 40 36 6	725 7, 791 5, 971 656	47. 7 48. 9 51. 2 50. 1	.605 .609 .619	28. 86 29. 78 31. 69 29. 71
Missouri New Hampshire New Jersey	12 8 17	667 195 2, 437	51.4 49.6 51.9	. 629 . 635 . 623	32, 33 31, 50 32, 33	21 9 31	1, 343 685 4, 097	51.3 50.2 49.5	.576 .629 .642	29. 55 31. 58 31. 78
New York Ohio	25 52 7 40	2,810 4,573 224 5,119	50.4 52.2 45.3 51.1	.654 .629 .659	32, 96 32, 83 29, 85 31, 89	26 89 6 45	9, 017 14, 267 313 12, 169	48, 5 50, 3 45, 0 51, 1	. 654 . 614 . 701 . 619	31. 72 30. 88 31. 55 31. 63
PennsylvaniaRhode IslandTennesseeTexas	8 7 10	741 419 439	51, 5 49, 5 51, 2	.608 .470 .470	31. 39 31. 31 23. 27 24. 06	13 8 14	1,918 458 853	50. 2 49. 2 49. 8	.590 .540 .531	29. 62 26. 57 26. 44
Washington Wisconsin	13 417	271 1, 948 38, 943	46. 9 52. 2	.693	32.50 33.09 31.89	7 15 526	481 4, 337 86, 779	47. 2 52. 6 50. 1	.714 .602	33. 70 31. 67 31. 31

The above table shows that average earnings per hour and average full-time earnings per week for machine shop wage earners in Alabama, Georgia, Louisiana, Tennessee, and Texas are higher than the average for foundry wage earners in these five States, which condition is reversed in several of the Northern States, such as Indiana, Maine, Massachusetts, Michigan, New Hampshire, Ohio, Pennsylvania, Rhode Island, and Wisconsin.

The reason for the above difference is that in the five Southern States many of the shops covered have few or no "machine hands and operators," or specialists. As a rule all-round machinists operate the various kinds of machines used in doing machine-shop work and also do the fitting and assembling of the various parts of machinery, or in repairing machinery, while in the northern industrial States the machines are operated largely by "machine hands and operators" or specialists, practically all of them being competent to operate only one of the various kinds of machines found in representative machine shops, and most of them at a wage rate less than that of machinists. An official of one of the machine shops in one of the Southern States said: "This company does not hire employees as machine hands and operators. That classification is found in the large machine shops in the North and East. In this State a machinist is an all-round hand, as the shops do general

repairing." Another said: "All machinists in our shop are first-class mechanics, capable of operating, setting up, and repairing machinery. We have no specialists." The tables of this bulletin show that while the total number of machine-shop wage earners covered in the five Southern States are only 2.6 per cent of the total covered in all States the machinists covered in the five States are 8.5 per cent of the total number of machinists covered in all States, and that the average earnings per hour for the machinists covered in the five Southern States are \$0.766 compared with \$0.728 for all machinists in all States covered. Further, in the five Southern States foundry wage earners include a very large percentage of unskilled and semi-skilled help at rates much less than that paid for the same class of work by the large foundries in the Northern and Eastern States.

Average and classified earnings per hour are presented in Table 3 for the employees in 8 of the principal occupations in foundries, and for those in 14 of the principal occupations in machine shops for 1923, 1925, and 1927, and for 1 occupation (pattern makers) in machine shops for 1927 only. The figures are shown in detail for each State for 1927 in Table B, page 53. These occupations were selected as representative of all of the occupations in the industry. They include unskilled, semiskilled, and skilled employees, and represent 80 per cent of the wage earners in foundries and 66 per cent of those in machine shops. The classification of employees in the other occupations has not been made, because it would to a great extent be merely a repetition of the spread or variation within these principal occupations.

The average earnings per hour of employees in the various occupations are shown in addition to the distribution and were computed by dividing the combined earnings of all employees in the occupation during the pay-roll period covered by the combined hours

worked.

Earnings per hour of employees in each occupation for which data are shown were higher in 1925 than in 1923, and all show an increase in 1927 over 1925 except laborers in machine shops. The increase in some occupations in 1927 over 1925 is small and in others it is of considerable importance. The increases range from 1 cent per hour for laborers in foundries and 1.6 cents for machinists and toolmakers' helpers in machine shops to 4.7 cents for female core makers in foundries and 3.9 cents per hour for boring-mill hands and operators in machine shops.

Table 3.—Average and classified earnings per hour in 8 specified occupations in foundries and 15 in machine shops, 1923, 1925, and 1927, by sex

FOUNDRIES

			Num-	Num-	Aver-			1	er een	t of en	ployee	s who	se earn	ings pe	er hour	were	_		
Occupation	Sex	Year	ber of estab- lish- ments	ber of em- ploy- ees	age earn- ings per hour	Under 20 cents	under	30	35	35 and under 40 cents	50	60	70	70 and under 80 cents	90	90 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and over
Chippers and rough grinders	Male	1923 1925	319 383	2, 923 4, 110	\$0.465 .521	1	1	2	6 2	12	42 34	25 33	7 13	2	1	(1)	(1) (1)	(1)	
Core makers	do do do Female	1927 1923 1925 1927 1923 1925	379 345 393 401 22 43	3, 857 2, 526 3, 067 3, 040 240 353	. 537 . 690 . 734 . 755 . 431 . 444	(1) (1) 	(1) (1) (1) (1) (1) 4	(i) (i) (i) (i) (i) 10 6	1 (1) 1 12 10	1 1 1 15 16	31 9 6 4 25 30	36 19 13 12 20 20	16 22 19 16 8	5 7 26 20 20 2 2	3 2 17 19 20 1	1 4 14 16	(1) 1 7 9	(1) (1) (1) (1)	(1) (1)
Laborers 2	Male	1927 1923	343 343	324 9, 265	. 491		2	9	9	10	28	22	11	4	3	2	ī		
Molders, hand, floor	dododododododo	1925 1927 1923 1925 1927 1923 1925	389 401 262 325 324 346 401	10, 931 11, 017 2, 379 2, 363 2, 063 4, 904 5, 612	. 481 . 491 . 687 . 768 . 789 . 729 . 802	(H)	(1) (1) (1) (1) (1) (1)	(J) (J) (J) (J) (J) (J)	4 3 1 (!) (!) (!)	8 5 1 1 1 (¹)	47 45 5 3 2 1	29 32 20 12 10 11 6	6 7 27 21 19 25 18	2 3 27 19 20 31 22	2 14 16 16 22 22	1 (1) 4 16 17 5 19	(1) (7) 2 8 10 3 9	(1) (1) (1) 2 2 (1) 1	(1)
Molders, machine 2	do	1927 1923 1925	402 161 229	5, 375 1, 993 3, 140	. 820 . 678 . 733	(1) 		(1)	(i) 	(1)	2 5	6	14	19	23	22	12	1	(1)
Molders' helpers, floor 2	do	1927 1923	220 234	3,102 1,986	. 753 . 433	(1)	(1)	(1) (1)	(1) (1)	1	5	16 13	22 20	22 21	17 18	10 14	6 7	1	(1) (1)
Pattern makers	do do do	1925 1927 1923 1925 1927	285 247 283 346 259	2, 642 1, 820 1, 314 1, 827 1, 512	. 460 . 484 . 750 . 804 . 830	1	4 2	3 2	7 9 (1)	3 7 (1)	38 33 2 1	28 29 10 5 4	8 12 26 18 12	3 4 25 22 22	1 15 23 27	(1) (1) 14 18 20	(1) 8 12 14	(¹) 1 1	(1) (1) (1)
				N	TACHI	VE SE	IOPS										-		
Assemblers 2	Maledododo.	1923 1925 1927 1923	310 306 368 271	5, 681 7, 151 8, 019 1, 455	\$0. 575 . 634 . 653 . 660	(1)	(1)	(1) (1)	(1) (1)	1 1	11 9	27 24	31 30	18 2 2	8 9	2 3	1 1	(1) (1)	(1) (1)
soring man manus and operators	do	1925 1927	341 354	2, 135 2, 208	. 688	(1)	(1)		(1)	(1)	5	15 11	31	29	14	4	2	(1)	

¹ Less than 1 per cent.

² Not classified in 1923.

Table 3.—Average and classified earnings per hour in 8 specified occupations in foundries and 15 in machine shops, 1923, 1925, and 1927,

by sex—Continued

MACHINE SHOPS—Continued

			37	NT	Aver-		· · · · · · · · · · · · · · · · · · ·	I	er cen	t of em	ployee	s who	se earn	ings pe	r hour	were-	-		
Occupation	Sex	Year	Num- ber of estab- lish- ments	Num- ber of em- ploy- ees	age earn- ings per hour	Under 20 cents		30	30 and under 35 cents	40	40 and under 50 cents	60	70	70 and under 8 0 cents	90	90 cents and under \$1	\$1 and under \$1.25	\$1.25 and under \$1.50	\$1.50 and over
Drill-press hands and operators	Male	1923 1925	350 423	3, 634 5, 012 4, 759	\$0. 527 . 579	(1) (1)	(i)	1	4	6 3	31 19	30 33	18 24 28	6 13 17	2 4	(¹) 1 1	(1) (1) (1)	(1)	
Fitters and bench hands	do do	1927 1923 1925 1927	433 271 388 332	4, 721 8, 157 6, 661	. 605 . 616 . 643 . 662	(1)	(i) (i) 	(1) (1)	(1) (1) (1)	3 2 2	14 16 9 6	29 28 25 21	25 25 29 31	16 20 25	6 10 11 10	1 2 3	(i)	9990	(1) (1)
Grinding-machine hands and operators 2	do	$1923 \\ 1925$	221 267	1, 255 2, 016	. 586 . 637			(1)	<u>i</u> -	<u>į</u>	11 8	27	31-	16 22	10 10 13	2 4	<u>i</u> -	(1)	(1)
Laborers 1	do do	1927 1923 1925	298 375 439	2, 285 8, 355 9, 833	. 668 . 418 . 456	(1) (1)	<u>i</u> -	(1) <u>1</u>	(1)	1 10	58	23	4	2	(1) (1)	(1) (1)	(1) (1)		
Lathe hands and operators, engine	do	1927 1923 1925	459 347 401	8, 342 4, 421 5, 856	. 456 . 633 . 663		1 (¹)	(1) (1)	(1) (1) (1)	8 2 1	56 11 6	26 27 22	29 32	20 23 28	7 12	2 2	1 1	(1)	(1) (1) (1)
Lathe hands and operators, turret ?	do	1927 1923 1925	414 251 328	5, 964 2, 147 3, 393	. 695 . 610 . 647		(1)	(1) (1)	(1)	(¹) <u>i</u>		16 25	29 30	20	16 11	4	2	(i)	
Machinists	do	1927 1923 1925	343 331 374	3, 167 2, 952 3, 820	. 675 . 683 . 702			(1) (1)	(1)		9 3 2	19 15 13	25 36 35 31	24 28 29 32	15 13 16 18	4 3 4 5	1 2 5	(1) (1)	
Machinists' and toolmakers' helpers 3	do do	1927 1923 1925	395 251 262	3, 794 1, 616 1, 641	. 728 . 464 . 494		(1)	<u>1</u>	3	(1)	35	39	11 15	32 2 3	(1) (1)	(1) (1)	(1)	(1)	
Milling-machine hands and operators	do	1927 1923 1925	269 268 339	1, 671 1, 938 2, 925	. 510 . 605 . 653		(1) (1)	1 (1) (1)	(1) (1)	4 2 1	37 17 8	37 28 25	27 31	16 20	7 12	1 2 5	(¹) 1		
Pattern makers :Planer hands and operators	do do do do	1927 1927 1923 1925 1927	343 235 272 327 339	2,872 1,228 1,339 1,838 1,818	. 685 . 841 . 663 . 705 . 742			(1)	(1)	(1) (1) (1) (1)	(1) 8 3 2	18 3 23 16 11	28 10 32 31 26	27 22 23 27 28	13 29 10 15 19	20 2 4 8	13 2 3 4	(1) 3 (1) (1) (1)	(1)
Screw-machine hands and operators ² Toolmakers ²	do do	1923 1925 1927 1923	177 215 213 274	1, 047 1, 482 1, 520 1, 661	. 564 . 643 . 664 . 693		(1)	(1) (1)	(1) (1)	(1) 1	97	27 22	31 29	$\begin{bmatrix} 21 \\ 26 \end{bmatrix}$	8 10	2 3	1 1	(1) (1)	(1)
1 001111814-613	do	1925 1927	346 354	2, 573 2, 863	. 727 . 756				(1)	(1) (1)	(1) (1)	7 4	31 23	35 36	18 22	6 11	2 3	(1) (1)	(1)

¹ Less than 1 per cent.

² Not classified in 1923.

Included with "Other skilled employees" in 1923 and 1925.

Table 4 shows average and classified full-time hours per week for the employees in 8 of the principal occupations in foundries and in 14 of the principal occupations in machine shops for 1923, 1925, and 1927, according to the full-time hours per week. For pattern makers in machine shops these figures are presented for 1927 only. The figures are shown in detail for each State for 1927 in Table C, page 70.

The regular or customary full-time hours per week are the number of hours that a foundry or machine shop under normal conditions is in operation without taking into consideration the hours actually

worked by individual employees during the period covered.

Full-time weekly hours of employees in each of the 22 occupations for which data are shown for the three years were less in 1925 and 1927 than in 1923. There was a slight increase in full-time hours in 1927 over 1925 in a few of the occupations.

Table 4.—Average and classified full-time hours per week in 8 specified occupations in foundries and 15 in machine shops, 1923, 1925, and 1927, by sex

FOUNDRIES

			NTones		Aver-]	Per cen	t of er	nployee	s who	se full-	time h	ours pe	r weel	k were-	-	
Occupation	Sex	Year	Num- ber of estab- lish- ments	Number of em- ployees	age full- time hours per week	Un- der 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Chippers and rough grinders	Maledo	1923 1925	319 383	2, 923 4, 110	52. 5 51. 5	(1)	1 1	(1)	22 20	9 5	14 22	8 7	26 20	(1)	8 7	2 1	7 8	(1)
Core makers	do do do Female	1927 1923 1925 1927 1923 1925	379 345 393 401 22 43	3, 857 2, 526 3, 067 3, 040 240 353	51. 1 51. 4 50. 3 50. 4 49. 2 48. 6	(1) 2 2	3 2 4 13 8	8 1 5 6 5	22 33 31 30 24 27	2 6 5 1 20 15	22 13 20 20 20 29 33	6 9 5 6 3	20 21 19 18 14 5	(¹) 1	$\begin{array}{c} 8 \\ 7 \\ 6 \\ 6 \\ 1 \\ 2 \end{array}$	(1) 1	6 5 3 4	(¹)
Laborers	do Male do	1927 1923 1925 1927	343 389 401	9, 265 10, 931 11, 017	48. 4 53. 5 52. 5 52. 1	(1) (1) (1)	(1) 1 2	(1) 4 5	31 22 18 20	6 4 6 2	12 21 23	4 6 6 6	8 26 22 21	(¹) 1 (¹)	9 6 7	1 1 2	11 10 10	
Molders, hand, bench	do do	1923 1925 1927	262 325 324	2, 379 2, 363 2, 063	51. 3 50. 2 50. 5	3	2 3 3	1 5 13	27 22 22	15 11 2	13 24 17	8 9 4	23 17 23	2	6 1 5	(1) ₂	2 3 5	
Molders, hand, floor	do do do	1923 1925 1927 1923	346 401 402 161	4. 904 5, 612 5, 375 1, 993	51. 2 50. 4 49. 9 51. 9	(1) 2 3 (1)	3 2 5	2 5 8	37 33 30 23	. 3 4 3 6	13 17 17 16	7 6 6 10	20 20 18 27	(1)	6 5 5 11	1 1 1 1	6 4 4	
Molders' helpers, floor	do do	1925 1927 1923	229 220 234	3, 140 3, 102 1, 986	50. 1 50. 4 52. 2	5 4	(1) (2)	5 8 (1)	24 20 25	6 1 2	28 32 15	9 5 7	17 21 28	(1)	3 4 8	(1) 2 2 2	3 2 8	
Pattern makers	do do do	1925 1927 1923 1925 1927	285 247 283 346 259	2, 642 1, 820 1, 314 1, 827 1, 512	51. 8 51. 2 51. 1 50. 4 50. 3	(1)	3 6 6 3 4	6 5 2 8 6	19 22 24 22 23	3 3 8 9	18 16 19 27 33	6 7 8 6	26 25 16 12	(1) 2 1	4 7 9 8	1 2 2 2	11 4 4 3 2	(1)

MACHINE SHOPS

Color	26 28 11 28 12 28 12 28 12 27 27 36 36 36 36 36 36 36 3	9	15 12 10 12 10 8 12 8 6 13 10 8 15 11 9	2 2 4 1 1 3 1 1 1 2 2 1 3 3 4 4 5 5 1 1 1 1 2 2 3 3 2 1 1 1 1 1 2 2 3 2 1 1 1 1
Fitters and bench hands do 1923 271 4,721 49.9 14 3 26 3 do 1925 388 8,157 49.8 (1) 5 11 29 4 4 do 1927 332 6,661 49.5 (1) 7 3 23 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	23 3 25 10 31 3 30 10 32 10 36 11 27 8 31 8 36 8	9 4 (1) 9 4 (1) 10 5 (1) 11 3 1 8 8 (1) 9 6 (1) 9 9 6 (1) 8 8 6 (1)	12 8 6 13 10 8 15 11 9 13	3 1 3 1 5 1 5 1 2 1 1 5 2 3 1 2 2 3 1 1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	32 10 36 11 27 8 31 9 36 8	11 8 8 9 6 (¹) 8 6 (¹) 9 9 9 1	10 8 15 11 9 13 10 8	2 2 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	36 8 25 9 29 8	9 91	13 10 8	1 1 1
do	25 10	8 4	. 12	
1925 374 3,820 49.9 (1) 8 4 29 7	29 8	8 5 (1) 9 3 (1) 5 13	11 8 7 6	1 1 3 5 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1
Machinists' and toolmakers' helpers	32 9 18 29 32 19	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	12 7 10	$\begin{array}{c cccc} 1 & 2 \\ 3 & 1 \\ 6 & 1 \end{array}$
Milling-machine hands and operatorsdodo	27 9 28 11 27 13	12 6 (1) 9 4 (1) 9 3 (1) 11 3 (1) 13 4 (1)	10 7 7 9	$\begin{array}{c cccc} 3 & 1 \\ 2 & 1 \\ 1 & 1 \end{array}$
Planer hands and operators	28 9 26 9 31 9 27 9	9 8 9 8 1 9 7 1	امتا	$ \begin{array}{c cccc} 3 & (1) & 2 \\ 4 & 2 & 3 \\ 2 & 3 & 1 \\ 5 & 1 & 1 \end{array} $
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	29 11 26 11 27 11 30 11	11 2 (1) 11 1 5 11 4 (1) 11 2 (1)	8	1 2 1 2 4 (1) 2 (1)

¹ Less than 1 per cent.

² Included with "Other skilled employees" in 1923 and 1925.

Table 5 shows the regular or customary full-time hours Monday to Friday, Saturday, and per week, and also the number of establishments in each State at each specified number of full-time hours per day and per week. In some establishments the full-time hours of a few employees or occupations vary from the full-time hours per day or per week of the great majority of the employees in such establishments, but the prevailing hours of the greater number of employees are presented in this table as the hours of the establishment as a whole.

While the full-time hours per week are by far the best measure of the customary hours of operation in a plant, they do not show the variation in hours for each day in the week. For example, in some plants the hours may be 8 per day for 6 days. In others the hours may be 8¾ Monday to Friday and 4¼ on Saturday, or 8½ hours Monday to Friday and 5½ hours on Saturday, or 8¾ hours Monday to Friday and 5 hours on Saturday, and so on. In each case the full-

time hours per week are 48.

In order that the variation in the working time of employees in the various plants may be clearly shown, a classification of establishments according to their full-time or customary hours of operation by day from Monday to Friday, on Saturday, and per week is presented in Table 5. The classification begins with the lowest and ends with the highest number of hours per week. The customary hours of labor of 68 of the 417 foundries covered in the study were less than 48 per week, of 119 were 48 per week, of 77 were 50 per week, of 76 were 54 per week, and of 14 were 60 per week. The remaining 63 plants were between 48 and 60 per week. The hours in machine shops ranged from 44 per week for 42 establishments to 60 per week for 6 establishments. The hours of 107 machine shops were 48 per week, of 170 were 50 per week, and of 46 were 54 per week.

As there is very little regular night work in the foundries and

machine shops, the hours of the table are for day work only.

The table also shows the 5-day week in 33 foundries and in 7 machine shops, there being no work in these establishments on Saturday.

Table 5.—Number of establishments in each State working each specified full-time hours per week and per day, 1927

FOUNDRIES

		time h			7:7				Νυ	ımbe	r of e	stat	lishr	nent	s wo	rking	g spe	cifie	d ho	urs p	er da	ay ar	ıd pe	er w	ek i							
Full-time hours per week	Mondayto Thursday	Friday	Saturday	Alabama	California	Colorado	Connecticut	Georgia	Illinois	Indiana	Iowa	Kansas	Kentucky	Louisians	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri	New Hampshire	New Jersey	New York	Ohio	Oregon	Pennsylvania	Rhode Island	Tennessee	Texas	Washington	Wisconsin	Total
40. 42)-2 44 441-4 441-4 441-4 445-4 45. 453-4 47 47 471-5 488. 48. 48. 48. 48. 48. 48. 48. 48. 48	8 1/2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	812 9 9 9 10 914 812	0 0 4 4/2 4 3 4 4 4 3 4 4 4 2 4	1	12 1	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2	4 	3	2	1	1	2	2	1	14 1	2 2 1	1	3	1	3	1	1 1 1 20 	3	1 1 1 1 1 1 4 1 1 1 3 3 1	5	2	3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 1	12 25 6 1 5 13 1 1 2 1 89 3 3 1 1 9 4 4 9 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
52 52\(\frac{1}{2}\) 52\(\frac{1}{2}\) 52\(\frac{1}{2}\) 53.	91 ₂ 91 ₂ 83 ₄ 91 ₂ 9	914 812 9 912 912 834 915	41/2 1 91/2 83/4 5		1				ì	2												1					1		1		4	1 1 7 2

¹ Do not work every other Saturday.

Table 5.—Number of establishments in each State working each specified full-time hours per week and per day, 1927—Continued

FOUNDRIES—Continued

	Full-	time h er day	ours						Nun	aber	of es	tabli	shm	ents	work	ring	spec	ified	hour	rs pe	r day	and	l per	wee	k in-	_						
Full-time hours per week	Monday to Thursday	Friday	Saturday	Alabama	California	Colorado	Connecticut	Georgia	Llinois	Indiana	Iowa	Kansas	Kentucky	Louisiana	Maine	Maryland	Massachusetts	Michigan	Minnesota	Missouri	New Hampshire	New Jersey	New York	Ohio	Oregon	Pennsylvania	Rhode Island	Tennessee	Texas	Washington	Wisconsin	Total
53	91/2 91/2 91/2 91/4 91/4 91/4 91/4 91/4 91/4	9 9½ 9	51/2 81/2 6 9 81/6 73/4 71/3 52/3 51/4	1			2	1	7	i	4	7		1	1	2	1	7	i	4	2	2	10	8		2	1	i	1 1 1		1 1	2 1 1 65 1 3 1 1 2
54 54 54 55 55 55 56 56 56 58	10 10 10 10 10 10 10 ¹ / ₆ 10	9 10 10 10 10 10 10 10 10	5 41/2 5 51/2 6 51/6 8	1			1 	2 1	1	1	1			1				2		1	1		1	3		1 7					3	2 1 24 1 1 1 1
60	10	10	10	4	21	3	1 16	7	28	$\frac{2}{16}$	11	9	7	$\frac{1}{5}$	4	8	28	39	5	12	8	17	25	52	7	40	8	7	10	7	13	417
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45 4534 47 47 47 47 47 47 47 47 47 47 48	9 81/4 81/2 81/2 91/2 8	9 814 8 814 812 912 912	0 4½ 7 534 4½ 5 0 8		1		1		2		1	1				2		1		ī	1	1	1	1 1 3	3	1		1	1 2	1 2		4 1 1 2 6 1 24

	 81/2 81/2/5 81/2/5 81/4 81/4 81/4 81/4 81/4 81/4 81/4 81/4	81/2	$\frac{51/2}{5}$		-[;-	[j			1			1				I	1		2	j	1	1	[[
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² Works 8.70 hours on Wednesday and Thursday.

PAY FOR OVERTIME AND FOR SUNDAY AND HOLIDAYS

Overtime is ordinarily understood to be any time worked in excess of the regular hours of labor per day or per week, but the overtime for which provision is made by establishments for payment at a higher rate than that paid for regular time varies considerably in different plants. A large number of the plants covered in this study did not pay any extra rate for overtime. In some plants the regular rate was paid until a certain number of hours per day were worked in addition to the customary hours of the plant. Example: The regular hours of a plant were 8 per day and 48 per week, but the extra rate for overtime was not paid except for time worked in excess of 9 hours per day or 54 per week. The 1 hour of overtime per day in excess of the regular 8 hours was paid for at the regular rate. In some plants the extra rate was paid to all employees, in others to employees in certain occupations only. Most of the plants that pay a higher rate for overtime than for regular hours per day also provide for an extra rate for work on Sunday and holidays. There is, however, very little work on Sunday and holidays in this industry.

At the time of the 1927 survey 244 of the 417 foundries and 404 of the 526 machine shops covered paid all or a part of the employees extra for overtime. Table 6 shows the number of establishments, employees entitled, and the extra rates paid for overtime work.

Table 6.—Pay for overtime and for Sunday and holiday work, employees entitled to such pay, period, and rate

FOUNDRIES

-			
Num- ber of		Times regular rate, for	-
estab- lish- ments	Employees entitled	Overtime (time worked in excess of regular hours per day or week)	Work on Sunday and holidays
173 63 29 7	do	1½. 1½. 1½ to midnight, then 2	2. 2.
5 2 1 1	do	1½ 1½ after 48-hour week 2 1½ after first hour 1½ after 60-hour week	11/2. 11/2. 2. 2. 11/2.
1	do	1½ Monday to Friday; Saturday p. m., regular rate. 1½ after 52-hours week, including Sunday.	1½. 1½.
1	do	week.	11/4.
1	do	1½ after 9-hour day, or 50 hours per week. 1½ after 9 hour day; 1¼ for Saturday p. m.	1½.
1 1 1	do	15 per cent after 50 hours per week 1½ to 11.30 p. m., then 2	15 per cent. 2. 1½ September to April.
1	do	1½ to 9 p. m., then 1½ to midnight, 2 thereafter. 1½ after first hour	1½. 2. 1¼.
î 1	do	1½ to midnight, then 25 cents per hour up to midnight, then 10 cents per hour.	2. 10 cents per hour.
1 1 1 1		2 1½ after first 15 minutes 1½ to 10 p. m., then 2 1½ for first 4 hours, then 2	1½. 2.

Table 6.—Pay for overtime and for Sunday and holiday work, employees entitled to such pay, period, and rate—Continued

FOUNDRIES-Continued

Num-		Times regular rate, for	_
ber of		Inno rogana rate, for	
estab-	Employees entitled		
lish-		Overtime (time worked in excess of	Work on Sunday
ments		regular hours per day or week)	and holidays
10	Core makers and molders	1½	1½. 1½.
1	Core makers, molders, and apprentices.	1½	11/2.
1	Core makers and molders	11/6	2.
ī	do	11/2	2. 2.
1	do	1 2	2.
1	All others	1½ except laborers; Saturday p. m., regular rate.	11/6.
	Core makers, molders, and pattern	2	2.
1	makers.	117	*11/
	(All others(Core makers and molders	11/2	114. 114.
1	All others		2.
1	(Core makers and molders	1½ after 48 hours per week	2. 1 ¹ / ₂ . 1 ¹ / ₂ .
	Core makers and molders' helpers Core makers, cranemen, and molders	11/2 after 52 hours per week	11/2.
1	All others	11/2 for first 4 flours, then 2	2. 1½. 1½.
1	All others Core makers, crane men, molders, and	1½ after 48 hours per week. 1½ after 52 hours per week. 1½ for first 4 hours, then 2. 1½.	11/2.
	pattern makers. Core makers and molders	1½	11/
1	All others.	114	114. 114.
1			11/2. 11/3. 11/3.
1	Molders, bench and floor	1½	11/3.
i	Molders, hand, floor	1½	1 / 2. 1 / 2.
1	Molders, bench and floor Molders and helpers Molders, hand, floor [Molders] All others [Molders]	1½	2.
•	(Moldors, banch and floor	11/2	2. 2.
1	Molders, bench and floor		116.
1	Molders	11/4 if hourly rate is 80 cents or over	14/6
3	Pattern makers and certain others Mechanics	11/4	11/6
1	Machinists in maintenance depart-	1½	î i 3. 1 i 3.
	ment.		
1	Pattern-room workers	2	2. 2.
i	do	11/2 11/2	1½.
1	Laborers Outside labor Skilled workers	1½ for opening-up sand before work	
1	Outside labor	11/2	11/2.
1	Skilled workers	1½	1½. 2.
	Skilled workers Other employees Productive labor	11/2	1 ¹ / ₂ . 1 ¹ / ₂ . 1 ¹ / ₂ .
1 1	Productive labor	1½ after 6 p. m. and before 6 a. m 1½ after 8¾ hours per day or 48 hours per week.	11/2.
•		per week.	
1	do	1½ 1½ 1½ 1½	1 ¹ / ₂ . 1 ¹ / ₂ .
1	Tool-room employees	11/2	1 /2.
1	All others	1,	2. 2. 2. 2.
1	(Productive labor	11/2 after 48 hours per mask	2.
	Night men Maintenance men All others	1/2 11/2 11/2 after 48 hours per week 2 for night work	2.
1	(All others		2. 2.
1	Carpenters and pattern makers	2 11/2 11/3 11/3 11/4	2. 2.
_	All others	11/2	2. 1½.
1	(All others	11/2	2.
ļ	All others Shippers, cleaners, rough grinders,	11/4	
	crane operators, riggers, and cupola workers.		
1	All others, except laborers First-class molders	1½	
	First-class molders		2.
- 1	(Pottern makers	11/	11/2.
1	All others Pattern makers All others	1½. 1½ after 54 hours per week	114. 114. 114. 114.
1		11/2	11/2.
	(All others	1½ for first 4 hours, then 2	2,
1	Night laborers	11/2 after 10 hours	
1	`All workers on rush orders	11/2	1½. 1½.
1	Maintenance men All others. [Day !aborers. Night laborers. All workers on rush orders. Employees taking no vacation Boiler-shop employees.	1112	11/2.
1	All day workers	11/2 to midnight, then 2	2. 2.
1	{	1½ to midnight, then 2. 1½, 4.30 p. m. to midnight, then 2 to 7.30 a. m.	
1	Laborers and night workers	1½	11/2.

Table 6.—Pay for overtime and for Sunday and holiday work, employees entitled to such pay, period, and rate—Continued

FOUNDRIES—Continued

um- er of		Times regular rate, for-	_
tab- ish- ents	Employees entitled	Overtime (time worked in excess of regular hours per day or week)	Work on Sunday and holidays
1 2 1 1 3 1 1 1	ice-plant men. All others	113 113 after 54 hours per week 113 from 9 p.m. to midnight, then 2 114 after first hour; 114 after midnight	172.
1	All except floating labor and maintenance men. Laborers, electricians, and maintenance men.	5 per cent extra regardless of when done.	5 per cent.
1	All except laborers and floor-molders' helpers. All except day laborers, day pattern makers, storage helpers, crane oper- ators, core-oven firemen, and elec-	1½	1½. 1½.
1 1 1	tricians. All time workers, except janitors, watchmen, and salaried men. All except pattern makers. All except laborers and weekly employees.	i I	11/4.
1 1 1 1 1	All except piece workers do All except foundry laborers All except repair men All except engineers and salaried em-	1½	11/2.
1	ployees. All except salaried employees, piece workers, power-house men, and watchmen.	I .	
1 5 1 3 2 1 1 2	All except watchmen All except watchmen and apprentices. All except salaried employees. All except truck drivers. All except watchmen All except weekly workers All except watchmen and foremen do	2 1½ after 9 hours per day or 50 per week. 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½ 1½	2. 11/2. 11/2. 11/2. 11/2. 2. 2. 11/2. 2.
3 1 1 1	All except watchmen All except watchmen and salaried employees. All except watchmen and laborers.	1)½ 1½ after 6 p. m. 1½ 11½ 11½ 11½ 11½ 11½ 11½ 11½ to midnight, then 2	2. 11/4. 2. 11/4.
i 1	7-day men. All except working foremen and 7-day		
$\frac{1}{2}$	men. All except 7-day mendo	1½	2. 1½.
	M.	ACHINE SHOPS	
122 199 60 13	do	1 11/4	1. 11/2. 2. 2. (watchmen 1)

Table 6.—Pay for overtime and for Sunday and holiday work, employees entitled to such pay, period, and rate—Continued

MACHINE SHOPS-Continued

Num- ber of	Time large 4441-2	Times regular rate, for	_
estab- lish- ments	Employees entitled	Overtime (time worked in excess of regular hours per day or week)	Work on Sunday and holidays
	(All except floating labor, electricians,	1½ for first 4 hours, then 2	2.
1	and maintenance men. Laborers, electricians, and maintenance men.	5 per cent extra regardless of when worked.	5 per cent extra.
3	Watchmen and truck driversAll employees	11% to midnight, then 2	1. 2.
6	do	1½ to midnight, then 2 1½ for first 4 hours, then 2 1½ for 8 hours, then 2	2.
1	Machine hands and operators, ma-	1½ for 8 hours, then 2	2. 1½.
_	chinists, and millrights on repair work.		· ·
1 1	All day workers	11/2	1½. 1.
1	All employees	173 114 115 114 114 114	114.
	I All others	11/4	114.
1 5	Machinists and helpers Machinists	112	114. 11/2.
1	[All employees except productive labor.	$1_{12}^{1/2}$	11/2.
	All productive labor	112 112 1142 1143	2.
13	All employees		11/4. 11/4.
1	Foremen All others	1 plus 15 per cent 1½ to 11.30 p. m., then 2	1 plus 15 per cent.
1	All employees except Bremen and watchmen. All employees		2.
ĩ	All 6-day employees whose hours end before 5 p. m.	1½ to midnight, then 2 1½ to 5 p. m	2. 2.
1	Boiler makers and helpers	1½ to midnight, then 2	2.
1	All employees	1½ to midnight, then 2	11/2. 11/2.
1	ping-room employees, and mill-wrights.		
1	All employees	1½ after 9 hours, Monday to Friday; 1½ Saturday afternoon.	11/2.
1 1 1	Certain skilled employees. Men working 11 hours or over All employees except laborers. All employees. do do		11/3. 11/2. 2.
2	Ali employees	11/3	11/
1	do	146 after 6 p. m. or 10 bours her day	11/6
_	Hiouriv workers	11/4 11/4 after 10 hours per day 11/2 after 6 p. m	11/2.
1	Day workersNight workers	1½ after 6 p. m	11/2.
1		10 per cent after 12 hours	10 per cent after 12 hours. 11/4.
1	All others except watchmen and ice- plant employees. Time workers	1½ after 6 p. m., if regular hours have been worked.	1½.
1	1 trucker, 2 painters, 1 pattern maker.	1 114	1½.
1	All employees	1 plus 5 cents per hour to midnight, then 1 plus 10 cents.	5 cents per hour to midnight, then 10 cents.
1	do	1½ from 6 p. m. to 7 a. m.	1½. 1½.
1 5	Hourly Workers Skilled day workers	1½ irom 6 p. m. to 7 a. m	1½. 1½.
ĭ	do. Hourly workers. Skilled day workers Assemblers, bench and machine hands, and operators.	1½ 1½ for first 2 hours, then 2	
	All others except watchmen. (Crane operators, laborers, and helpers.	11/2	11/2.
1	Night workers.	11/2 11/2 after 48 hours per week 11/2	1¼. 1½.
	[All others except watchmen and riggers.	1½	
1	(Blacksmiths and helpers All others except watchmen	11/6	2. 11/ 4.
1	All day workers All night workers	11/2 11/2 to midnight, then 2 11/2 after 12 hours per night or 48 hours	2. 2.
	(Skilled day workers		2
1	Skilled day workers Skilled night workers	1½ after 48 hours per week	2.
•	All other day workers All other night workers	11/2 often 49 hours non-week	11/2.
1	Assemblers, machinists, and machine	1½ to 9 p. m., then 2 1½ after 48 hours per Week 1½ after 48 hours per Week	11/2.
-	hands.		
1.	dodo	11/4	11/4.

Table 6.—Pay for overtime and for Sunday and holiday work, employees entitled to such pay, period, and rate—Continued

MACHINE SHOPS—Continued

`			
Num- ber of	79	Times regular rate, for	
estab- lish- ments	Employees entitled	Overtime (time worked in excess of regular hours per day or week)	Work on Sunday and holidays
2 2 1 7	Machinists and machine operators All employees	15 cents per hour	1½. 1½. 1¼.
3 1 1	All employees except yard laborers Repair work for outside concerns only All employees except laborers and mill- wrights.	1½ 1½ 1½ 1½	1 ¹ / ₂ . 1 ¹ / ₄ . 2. 1 ¹ / ₂ .
1 1	All day workers All night workers All employees except truck drivers and laborers.	1½ 1½ after 11½ hours per night 1½	1½. 1½. 1½.
1	{Machinists All others All employees	1½ for first 4 hours, then 2	112. 112. 2. 2.
2 2 1	do All employees except watchmen	132 4.30 p. m. to 10 p. m., then 2 to 7 a. m. 11/2 to midnight, then 2 11/2 5 p. m. to 9 p. m., then 11/2 to mid- night; 2 to 7 a. m.	2. 2. 2.
1	Slingers. Yard and miscellaneous labor.	1¼ if 1 hour or more overtime is Worked	114. 112. 114.
_	All employees.	1½ to midnight, then 2	2.
1	All employees except watchmen and storeroom men.	1½ after 41 hours per week with holiday	
1	Apprentices All others except high-class mechanics (High-class mechanics) Laborers	11/4 11/2 11/2 1	11/4. 11/2. 2. 1.
1 1 1	Machinists Maintenance men All employees [Day workers Night workers	1½	2.
1	Night workers Day workers Night workers	1½ after 5 p. m. 1½ after 9 hours per day 1½ after 9 hours per day 1½ plus 10 per cent 1½ to midnight, then 2 1½ after working hours until noon	working nours
1 1 1	All employees except testers All employees on rush orders Machinists in maintenance department.	11/4 11/2 11/2	to noon. 114. 115. 115.
2 1 1	All employees [Machinists All others Rush work, all employees except	1½ to 10 p. m., then 2 2 1½ 1½	2. 2. 1½. 1½.
1 1 1	laborers. Outside workers All employees do	1½ 1½ 6 p. m. to midnight, then 2 to 7 a. m. 1½	1½. 2. 1½ on Sunday and
1	All employees except shipping department.	1½	on holidays.
1 1 1	All employees except watchmen Maintenance men All others All employees except repair workers	1½ to 10 p. m., then 2	2. 1½. 2. 1½.
1 1 1 3	Machinists All employees except laborers All employees	1½ to midnight, then 2	2. 2.
1 1	MechanicsAll employeesdo	11/2 after 6.30 p. m. 11/2: 11/2; for Saturday afternoon, 1. 11/2 after 9-hour day provided 11 or more hours are worked. 11/2.	1/2. 2. 1½.
1	Machine hands	1½	11/2.
			

BONUS SYSTEMS

Only 59 of the 417 foundries and 114 of the 526 machine shops covered had bonus systems in effect at the time of the 1927 study. The basis or kind of each bonus, the wage earners entitled to receive the bonus, the amount of the bonus, and the conditions necessary in order to receive the bonus are presented in Table 7.

In 44 of the 59 foundries and in 93 of the 114 machine shops a "production" or "time saving" bonus was paid to part or all of the employees whereby their earnings at regular rates were increased by the addition of a specified amount for producing more work than a specified standard of quantity in a stated period of time. Example: A standard of 40 hours was set for the completion of a certain job or piece of work. An employee completed the work in 30 hours, thereby saving 10 hours. He was paid for ½ of the time saved, or for 35 hours instead of 30 hours at his hourly rate.

In 7 foundries and 7 machine shops an "attendance" bonus was paid to certain or all employees for full-time attendance on night work during a given period of time, and for responding to fire alarms.

In 4 machine shops a "service" bonus was paid to employees who had been in the service of the company a specified period of time. Example: An employee's earnings at his regular rate were increased 1 per cent after one year of service, 2 per cent after 2 years, 3 per cent after 3 years, and so on to 5 per cent after 5 years of continuous service.

In one foundry and one machine shop a "profit sharing" bonus was paid to all employees whereby their earnings at regular rates were increased by the addition of a specified per cent of such earnings. The amount of the bonus was determined at the end of each year by the profits of the company.

In two foundries a "material saving" bonus was paid to firemen

for saving coal.

In addition to the above, "production and attendance" bonuses were paid in 1 foundry and 3 machine shops, "service and attendance" in 2 foundries and 3 machine shops, "profit-sharing and attendance" in 1 foundry and 1 machine shop, and "production and material saving" in 1 machine shop. Bonuses were paid in 1 foundry and 1 machine shop for which basis or kind of bonus was not reported.

Table 7.—Bonus systems of 59 foundries and 114 machine shops, 1927

FOUNDRIES

Conditions
Must produce more than set standard of work.
. Do.
Do.
Do.
Do.
Do.
1
Do.
Do.

Table 7.—Bonus systems of 59 foundries and 114 machine shops, 1927—Continued FOUNDRIES—Continued

		FOUNDATES		
Num-	1	1		
ber of			i	
estab-	Kind of bonus	Wage earners entitled	Amount of bonus	Conditions
lish-			Table of Sounds	001-100015
ments	1			
				
2	Production	Core malrare maldare	Time saved at hearly rate	Must produce more
- 4	Production	Core makers, molders, and helpers, and pattern	Time saved at hourly rate.	Must produce more than set standard of
	ì	makers.		work.
1	do	Machine molders	Time saved	Do.
	do	Molders and core settors		Do.
i	do	Molders and their ap-	Varies, \$1 to \$1.35 per day.	Do.
		prentices, molding-ma- chine helpers, and sand		
		chine helpers, and sand		
_	,	blasters.	en:	Т.
1	do	Molders and core makers	Time saved at hourly rate	Do.
1	do	All employees	Depends on per cent of	Do.
1	do	Galvanizare only	Not reported	Do.
i	do	All productive labor	do	Do.
î	do	Bench molders	4 cents per piece	Do.
	do	Molders	efficiency. Not reported	Do.
1	do	All productive labor	Value of per cent of time	Do.
	_		poundage saved.	-
1	do	Core makers and molders.	One-half of time saved	Do.
1	do	Part of employees exclu-	Per cent of time saved	Do.
1	do	sive of pattern makers.	Based on efficiency	Do.
•		All employees except car- penters and pattern	Dated on emercincy	20.
		makers.	}	
1	do	Molders	Quantity of production	Do.
1	Production and	All employees.	5 per cent of monthly pay;	Full-time attendance.
	attendance.	-	time saved, at hourly	
	·	37 / 1	rate.	37.
1	Production	Not reported	Not reported	Not reported.
1 1	do	All amployees	do	Do. Do.
i	do	All in service at end of	25 cents per hour for time	Continuous service and
-		month.	saved.	standard time study.
1	do	Chipping department em-	Not reported	Not reported.
			_	
1	,do	All core makers, cupola tenders, and molders.	Per cent of regular gross	Production must ex-
		tenders, and molders.	earnings based on ratio	ceed yearly average.
			of monthly hourly aver- age to yearly hourly av-	
	1		erage and average cost	
			per pound.	
1	do	All productive labor	80 per cent of base wage	Based on time and pro-
			for overproduction.	_duction.
1	do	Malleable molders		None.
1	1 tton Jones	All amplement	earnings. 10 per cent of wages	Full-time attendance.
	Attendance	All employees	58 cents per hour	Respond to fire alarm.
1	do	Night employees	10 per cent of wages	Night work.
2	do	All employees after 1 year	1 per cent after 1 year to 5	Continuous service.
	_	of service.	ner cent after 5 years	
1	do	Sand slingers	10 cents per section	None.
1	do	Laborers.	2 hours pay 5 per cent of monthly wages	For Sunday work. Full-time attendance.
1	Sarvice	All employeesdo	6 months to 2 years 1 man	Not over 6 days
	(GET A100	WU	6 months to 2 years, 1 per cent; 3d and 4th year, 2	Not over 6 days per year absent or tardy
		}	per cent: 5th and 6th	unless excused.
			per cent; 5th and 6th year, 3 per cent; 7th and	
			8th year, 4 per cent; after	
	1	1	8th year, 4 per cent; after 8th year, 5 per cent.	
1	Attendance and	Not reported	Not reported	Not reported.
	service.	35.12	1.3	1 25 1.01
1	Attendance	Molders	1 hour per day	
1	Material saving	Furnace firemen	\$1 per week	day. Greatest output with
•	THE COLIGE SEVILLE	T di liaco in cinicin.	\$ por week.	least coal consump-
				tion.
1	do	\do	Not reported	Furnace repairing.
		Oven tenders, sand mix-	5 cents per ton additional	Daily output.
	1	ers, rough carpenters,	to hourly rate.	
1	Production	pattern makers, core	1	1
		makers, and annealers.	10	D 1 1 C (-1. 1
	Service and	Tumble barrel operators All employees in service	10 cents per barrel	Per barrel finished.
1	Service and profit sharing.		1½ per cent to 4½ per cent of earnings.	1½ per cent after 1 year
	promo anating.	Over o monens.	or carmings.	to 4½ per cent after 4 years.
1	Not reported	l electrician	. 10 per cent of monthly pay.	Not reported.
ī			Average % per cent of	In service at end of
	1		earnings.	year.
	<u> </u>	<u> </u>	<u> </u>	1

Table 7.—Bonus systems of 59 foundries and 114 machine shops, 1927.—Continued MACHINE SHOPS

		MACHIN	E SHOPS	
Num-			[
ber of estab-	Kind of bonus	Wage earners entitled	Amount of bonus	Conditions
lish- ments	Kind of bonds	wage carners entitled	Amount of bonds	Conditions
27	Production	All employees	One-half of time saved	Must produce more than set standard of work.
1	do	Employees in 14 occupations.	do	Do.
1	do	Blacksmiths and machine operators.	do	Do.
1	do	Sheet-metal department only.	do	Do.
1	do	Lathe, drill, planer, frame	do	D o.
1	do	Machine hands, assemblers, bench hands, and fitters, sheet-metal de-	do	Do.
1	do	A few operators	dododo	Do.
1	do	Milling department	do	Do.
1	do	Assemblers, bench hands,	do	Do.
1	do	Grinding, lathe, plane de-	do	Do.
1	do	partment. Blacksmiths, machinists, and machine operators.	do	Do.
1	do	Pattern makers	do	Do.
1	do	Some employees of all departments except pattern shop.	do	Do.
5	do	All employees	Time saved	Do.
1	do	do	Time saved Two-thirds of time saved	Do.
	do	do	Per cent of efficiency	Do.
1	do		Determined by foreman	Do.
1		Machine hands and oper- ators and their appren- tices.	Per cent of earnings	Do.
1	do	Bench hands, tool makers, and machine hands.	Time saved at regular rate-	Do.
1	do	Assemblers, helpers and bench hands, and machinists.	do	Do.
1	do	Carburetor assemblers only.	Time saved at basic rate	Do.
	do	All employees	80 per cent of time saved Determined by produc-	Do. Do.
1	do	ators.	tion. Time saved at basic rate	Do.
1	do	All machine operators	Not reported	Do.
1	do	All productive labor	do	Do.
1	do	Machine shop, cupola, sheet-metal, mill room, bearing department.	do	Do.
1	do	Productive labor		Do. Do.
î	do	Assemblers, bench hands, machine hands, machin-	Not reported	
1	do	ists, painters. All productive labor	12 cents per hour on time saved.	Do.
1	do	Drill-press, grinding, and screw-machine hands.	Not reported	Do.
1	do	Pattern makers and tool makers.	11 per cent of pay on time saved.	Do.
1	do		Three-fourths of time saved.	Do.
1	do	Lathe, polishing, screw machine, punch press, milling machine, wire forming, bench hands, assemblers, and inspec- tors.	80 per cent of time saved	Do.
1	Production and material sav- ing.	All productive employees		Do.
1	Production	All hand operators	One-half of time saved One-third of hourly rate; one-half of time saved.	Do.
1	do	All employees	25 cents per hour on time	Do.
1	do	Some employees	Time saved	Do.
1	do		. Part of time saved	
1	do	.! Productive labor	l Not reported	Do.

Table 7.—Bonus systems of 59 foundries and 114 machine shops, 1927—Continued

MACHINE SHOPS—Continued

Number of establishments	Kind of bonus	Wage earners entitled	Amount of bonus	Conditions
1	{Attendance {Production	Night workersAll jobs applicable	20 per cent of wages Time saved at regular rate.	Must work at night. Must produce mere than set standard of work.
1	Production	Assemblers and machine hands.	Time saved	Do.
•	Attendance	All employees	5 per cent for promptness; 5 per cent for regular attendance.	Promptness and attendance.
1	Attendance	do	5 per cent of monthly earn-	Full-time attendance.
1	Production	do	ings. Time saved at hourly rate	Must produce more than set standard of work.
1	do	Planers	One-half of regular rate 25 cents per hour for all time saved.	Operate 2 machines. Continuous service.
5	do	All employees	Not reported	Not reported.
1	do	Part of the employees	do	Do.
1	do	All productive labor	do	Do.
$\frac{1}{2}$	do	A few employees	do	Do. Do.
í	Attendance	Night workers	5 per cent of earnings	Must work at night.
î	do	do	10 per cent of regular rate.	Do.
ī	do	do	4 cents per hour to regular rate.	Do.
1	do	(Fire squad Night work (Diesinkers	58 cents per hour 10 per cent of basic rate Not reported	Night fire calls. Night work. None.
1	Profit sharing	Women employees All employees	12 per cent of wages	Full attendance. Continuous service.
1	Service		tent for 6 years' service. 1 per cent after 1 year to 5 per cent after 5 years'	Do.
1	Attendance and service.	Not reported	service. Not reported	Not reported.
1		All employees	5 per cent of monthly earn- ings.	Regular attendance.
•	Service	do	6 months to second year, 1 per cent; third and fourth years, 2 per cent; fifth and sixth years, 3 per cent; seventh and eighth years, 4 per cent; after eighth year, 5 per cent.	Allowed 6 days per year, absent or tardy.
1	† J	do	2 hours at basic rate	Full time or 2 hours if excused.
		do	Cent of weekly pay.	Length of service.
1 1 1	Attendance Production Service	Helpers in hardening room Certain employeesAll employees	25 cents per day	Day workers only. Service or production. In service at end of year.
1	Service and profit sharing.	All employees in service over 6 months. [All employees who enter	1½ to 4½ per cent of earnings. \$6 after 1 year; \$1 per year	In service over 6 months. Enter service under 69
1	Service	All employees after 1 year's service.	until \$15 is reached. \$5 for each continuous year's service.	years of age. Continuous service.
1	do	Hourly men in service over 2 years.	5 per cent of weekly earnings.	In service over 2 years.
1	Not reported Profit sharing	All employees	Average five-eighths of 1 per cent of pay roll earn-	Not reported. In service at end of year.
1	Production	machine hands.	ings. Not reported	Not reported.
1	do	Skilled employees	do	De.
1	do	Knitting-machine testers.	\$1 to \$5 per week	Do.
1	A ttondonoo	Not reported	Not reported	Do.
1	Attendance	Some night workers	\$5.50 per pay period	Night employment.
	'			<u> </u>

Table 8 shows the percentage distribution of employees in 8 of the principal occupations in foundries and in 15 in machine shops, according to the number of days on which they worked in one week. "Days worked" as used in this table means the number of calendar days or parts of days on which employees did some work. A full day or any part of a day was counted as a day. The average number of days worked by employees in the occupation is a simple average obtained by dividing the aggregate number of days on which any work was done by the total number of employees in the occupation.

The table shows that 51 per cent of the 3,857 chippers and rough grinders worked on 6 days during the week covered, 30 per cent on 5 days, 12 per cent on 4 days, 3 per cent on 3 days, 2 per cent on 2 days, and 1 per cent on 1 day, and also that 1 per cent worked on 7

days during the week. The average for all was 5.2 days.

Table 8.—Number of days on which employees in 9 specified occupations in foundries and 15 in machine shops worked in one week, 1927, by occupation and PATINDRIPE

	FO	UNDR	IES								
Occupation	Sex	Num- ber of estab- lish-	ber of	Average number of days worked by em- ployees in one week	Per cent of employees in occu- pation who in one week worked each specified num ber of days						
		ments			1	2	3	4	5	6	7
Chippers and rough grinders Core makers Do Laborers Molders, hand, bench Molders, hand, floor Molders, machine Molders' helpers, floor Pattern makers	Female .	401 41	3, 857 3, 040 324 11, 017 2, 063 5, 375 3, 102 1, 820 1, 512	5. 2 5. 1 4. 9 5. 2 5. 1 5. 3 5. 6	1 1 2 1 1 1 1 2 (1)	2 2 4 2 1 2 2 1 1	3 2 4 4 5 4 4 1	12 15 15 14 13 13 16 10 4	30 33 45 31 37 35 39 31 23	51 46 31 48 44 43 39 52 70	(1) (1) (1) (1) (1) (1)
	MACI	IINE S	HOPS								
Assemblers Boring-mill hands and operators Drill-press hands and operators Fitters and bench hands Orinding-machine hands and operators Laborers Lathe hands and operators, engine Lathe hands and operators, turret Machinists Machinists and toolmakers' helpers Milling-machine hands and operators Pattern makers Planer hands and operators Screw-machine hands and operators Screw-machine hands and operators Toolmakers	do do do do do do do	332 298 459 414 343 395 269 343 235 339	8,019 2,208 4,759 6,661 2,285 8,342 5,964 3,167 1,671 2,872 1,228 1,818 1,520 2,863	5.665555.55.55.6667.647	1 1 (¹) (¹) 1 1 (¹) 1 (¹) (¹) (¹) (¹) (¹) (¹)	1 1 1 1 1 1 1 2 2 1 (¹) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2 1 2 2 2 2 2 2 2 1 2 1 2 1	6 57 4 6 5 5 9 4 4 5 3 5 11 3	20 23 22 16 24 17 21 22 18 16 22 13 23 25 19	70 68 67 76 68 73 70 65 72 73 70 82 68 60 76	(¹) 1 (¹) 1 (¹) (¹) (¹) (¹) (¹) (¹) (¹) (¹) (¹) (¹)

¹ Less than 1 per cent.

Index numbers of employment and of pay rolls in foundries and machine shops and for machine tools (machine shops engaged in making tools used in machine shops) are presented separately in Table 9 for each month July, 1922, to August, 1928, and for each of the years 1923 to 1927. The data as presented in all other tables of this report for foundries and machine shops include machine tools. Since the data as published by the bureau in monthly reports on "Employment in selected manufacturing industries" are collected and compiled separately for machine tools, they are shown separately in this table. These numbers were computed from the amount or volume of employment and the amount of the pay rolls for each of the months and years, with the 1923 average number of employees and the 1923 average amount of pay rolls taken as the base, or 100 per cent.

During the period July, 1922, to August, 1928, the monthly volume of employment index in foundries and machine shops was highest (104.5) in July, 1923, and lowest (74.5) in September, 1924, and pay rolls were highest (107.3) in June, 1923, and lowest (70) in September, 1922 and 1924. Index numbers by years were: Employment, 100 in 1923, 80.6 in 1924, 80.7 in 1925, 86.7 in 1926, and 81.3 in 1927; and pay rolls were 100 in 1923, 78.8 in 1924, 81.8 in 1925, 90.3 in 1926, and 83.5 in 1927.

Table 9.—Index numbers of employment and of pay rolls, July, 1922, to August, 1928, by month and year

[Average for 1923=100]

FOUNDRIES AND MACHINE SHOPS

Month	Employment						Pay-roll totals							
Month	1922	1923	1924	1925	1926	1927	1928	1922	1923	1924	1925	1926	1927	1928
January February March April May June July August September October November December	71. 6 72. 1 79. 4 83. 5 87. 4 91. 3	93. 4 97. 1 100. 4 102. 3 102. 9 103. 9 104. 5 104. 5 102. 3 99. 1 96. 7 93. 4	88. 8 87. 3 87. 1 86. 2 82. 6 80. 4 76. 7 75. 4 74. 5 74. 7 75. 6 78. 0	78. 4 80. 2 81. 0 81. 3 81. 0 81. 3 80. 3 79. 8 80. 1 80. 9 81. 6 82. 7	84. 0 86. 4 87. 7 87. 7 87. 2 88. 8 87. 9 87. 7 87. 2 86. 4 84. 1 85. 3	84. 2 86. 2 86. 3 85. 0 83. 2 82. 3 81. 2 80. 8 79. 0 77. 4 75. 1 74. 9	74. 8 76. 6 77. 9 78. 6 80. 1 80. 5 80. 4 80. 8	64.0	85. 6 90. 9 96. 7 101. 9 105. 5 107. 3 105. 5 103. 3 102. 8 98. 7 98. 1	86. 6 86. 7 87. 2 86. 8 82. 8 78. 6 70. 6 70. 6 70. 0 72. 6 73. 8 79. 1	78. 2 82. 2 83. 6 81. 8 83. 0 82. 2 79. 6 79. 4 77. 2 82. 8 84. 3 87. 1	86. 4 91. 1 93. 4 92. 4 92. 1 93. 6 88. 7 90. 3 88. 3 90. 5 87. 0 89. 9	86. 0 91. 6 91. 8 88. 7 87. 2 85. 4 81. 4 82. 2 78. 5 77. 6 74. 7 76. 7	74. 4 79. 6 82. 0 82. 3 84. 5 85. 6 82. 9 84. 5
Average		100.0	80.6	80. 7	86. 7	81. 3			100. 0	78. 8	81.8	90. 3	83. 5	

MACHINE TOOLS

					1				1	1		
January	92. 5	82. 2	102. 1	102.8	90.0			94. 6	86. 2	113. 6	113. 2	100.0
February	94.0	83. 5	102.5	102.0	92.4			97. 0	88. 6	114. 2	112.7	106.4
March	94. 1	82. 9	103.9	100.7	94. 4			97. 4	87. 7	115. 5	112. 1	111. 1
April	91.5	83. 1	103.4	98.8	96.9			95. 4		115. 2		114.8
May110.0	87. 9		102. 1	96. 2	99. 6		108.0	91. 5		112. 4		117.6
June 109.0	85. 3		101.5		101.3		110.0	87. 6		112. 1		120. 2
July 106. 2	78.8		101.3		102.8		103. 5	75. 7	93. 2	109. 5	98.5	117. 1
August 81. 7	68. 2		92.4		97. 2		83. 1	65. 4		101. 9	91. 2	114.0
September 100.8	76.8		102.3				100. 4	73. 9		111. 1		
October 100. 3	76. 7		103. 7	91. 9			100. 2	76.0		116. 3		
November 96.0	77.8		104. 2	90.3			96. 1	78. 1		117. 2		
December 96. 0	79.8	100.7	103.8	90.2			98.8	84.2	114. 4	118. 2	101. 8	
					\ -							
Average 100.0	83.6	87. 5	101. 9	94.6			100.0	84.7	94. 4	113. 1	104. 3	
	ļ	<u> </u>	<u> </u>			<u>[]</u>	1	<u> </u>	<u> </u>	<u> </u>	<u> </u>	

IMPORTANCE OF FOUNDRIES AND MACHINE SHOPS

The importance of this industry may be judged from the fact that nearly all, if not all, other industries depend upon the products of foundries and machine shops for tools and machinery to carry on their business.

The figures shown in Table 10 were taken from the United States Census reports for 1914, 1919, 1921, 1923, and 1925. These figures are shown under six different headings: Foundries and machine shops; engines, steam, gas, and water; textile machinery; steam fittings, etc.; machine tools; pumps (hand and power) and pumping equipment. While these articles are practically all produced in foundries and machine shops, the different groups have grown to such importance as to be treated separately by the census. Under these six headings are shown for each of the five years, the number of establishments, the cost of material, the value of products, the average number of employees, the average number of wage earners, amounts paid to wage earners, and the average per capita yearly earnings of wage earners as computed by the Bureau of Labor Statistics.

Table 10.—Establishments, cost of material, value of products, wage earners, earnings, and average per capita earnings, 1914, 1919, 1921, 1923, and 1925

[From United States Census of M	anufactures, 1925]
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Industry	Num- ber of estab- lish- ments	Cost of mate- rial	Value of prod- ucts	Average number of em- plo yees	Average number of wage earners	Amount paid to wage earners	Average per capita yearly earnings of wage earners
Foundry and machine shops: 1914 1919 1921 1923 1925 Engines, steam, gas, and water:	10, 640 10, 934 9, 013 8, 531 8, 154	Millions \$358 948 653 936 884	Millions \$867 2, 289 1, 566 2, 337 2, 233	421, 149 569, 646 390, 816 532, 821 481, 212	362, 471 482, 767 321, 363 448, 777 397, 838	Millions \$244 623 412 642 591	\$673.56 1, 289.59 1, 283.16 1, 431.52 1, 485.03
1914	446	31	72	36, 106	29, 657	21	722. 28
	370	218	465	96, 193	77, 617	105	1, 358. 41
	296	112	199	43, 691	35, 567	52	1, 462. 17
	249	125	267	57, 695	48, 495	71	1, 461. 55
	220	146	314	59, 394	51, 099	74	1, 440. 05
1914 1919 1921 1923 1925 Steam fittings, etc.:	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	432	48	122	35, 772	31, 823	37	1, 147. 87
	421	45	129	34, 469	31, 025	39	1, 251. 59
	428	50	141	40, 041	35, 672	46	1, 290. 16
	379	39	122	32, 530	27, 869	37	1, 344. 28
1914	295	27	64	31, 638	26, 388	17	634. 30
	261	72	160	43, 791	36, 686	46	1, 246. 87
	274	50	127	37, 004	30, 808	40	1, 285. 25
	236	83	222	51, 127	44, 141	65	1, 468. 17
	225	77	229	49, 974	43, 260	64	1, 478. 95
1914 1919 1921 1923 1925 Pumps, steam and other power:	(1)	(1)	(1)	(1)	(1)	(1)	(1)
	403	59	212	61, 630	53, 111	66	1, 246. 05
	348	24	68	25, 854	21, 307	25	1, 185. 14
	350	41	137	40, 101	33, 373	47	1, 418. 42
	329	44	144	37, 279	30, 831	47	1, 515. 08
1914	183	9	24	8, 722	8, 322	6	667. 53
	239	36	85	17, 154	16, 072	20	1, 227. 70
	221	27	70	16, 442	12, 186	14	1, 146. 36
	229	34	93	19, 124	14, 550	20	1, 373. 92
	253	50	120	23, 333	17, 935	25	1, 409. 43
1914	11, 564	425	1, 027	497, 615	426, 838	288	674.40
1919	12, 639	1, 379	3, 333	824, 186	698, 076	896	1, 283.89
1921	10, 933	911	2, 159	548, 276	452, 256	583	1, 286.91
1923	10, 023	1, 269	3, 196	740, 909	625, 008	891	1, 426.33
1925	9, 560	1, 211	3, 162	665, 162	568, 832	838	1, 472.88

¹ Included in foundry and machine shops prior to 1919.

A comparison of the figures for the five census years shows that the number of employees for 1919 is greater than for either of the other years, while the 1925 average per capita yearly earnings are greater

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than for any other year. The conditions for the year 1919 were The demands upon the industry caused by the World War were still in effect and were largely responsible for the unusual number of employees, the large number of establishments, the high value of the products, and the large sum paid to wage earners. While the figures for 1919 are abnormally high, those for 1921 are abnormally low. A period of great depression in the industry followed the census for 1919, which extended into the census for 1921. The figures for 1923 show that the industry had by that time recovered from the slump of 1921, and had entered upon a period of development more nearly approximating natural or normal growth in the industry than is shown by the figures for either 1919 or 1921. The figures for 1925, compared with those for 1923, show decreases in number of establishments and of wage earners and in amount paid to wage earners, and also an increase in the average per capita yearly earnings.

SCOPE AND METHOD

The figures presented in this bulletin are limited to wage earners and cover all workers of this class, beginning with those who receive the raw materials and supplies, including all who perform the various operations of manufacture, and ending with those who pack or otherwise prepare the product for shipment. Executive employees, clerks, employees engaged in construction or repair of buildings, employees in forge and boiler shops, and those whose duties were mainly super-

visory are excluded.

The 1927 study of the industry, like those of former years, covered a representative group of establishments in each State where foundries and machine shops are of material importance. On account of the very large variety of products manufactured in machine shops, the study was limited to those establishments in which the machinery used was fairly comparable. The machine shops included in the study are engaged in the machining and assembling of parts for and the construction of engines; of textile, mining, laundry, woodworking, excavating, road-building, hoisting, steel-mill, and rolling-mill machinery; of ice, brick, rubber, shoe, and sugar-making machinery; of cotton gins, elevators, conveyors, pumps, printing presses, and machine tools (machines used in machine shops), etc. A number of machine shops which were engaged in repair work are also included. While the machines used in the establishments included in the study vary in type and size with the product manufactured, the operations are essentially the same. No machine shops were included whose principal product was agricultural implements, automobiles or automobile parts, electric dynamos, motors, magnets, or other electrical units, locomotive railroad cars or car wheels, cash registers, calculating machines, typewriters, sewing machines, hardware, stoves or stove equipment

The foundries included were mainly engaged in casting parts for the same class of products as those made in the machine shops covered in the study. In a large number of cases data were obtained from one company or plant for both a foundry and a machine shop. No forge or boiler shop was included if it was operated as a separate

unit.

The study covered 417 foundries and 526 machine shops located in 28 States. In selecting establishments from which to obtain data the

bureau undertook to represent all States in which the industry is of material importance, the measure of importance being the number of wage earners as reported by the United States Census of Manufactures.

Table 11.—Number of wage earners in 1925 as reported by the United States Census of Manufactures and the number of establishments and of wage earners for which 1927 data are presented in this report, by State

State	Wage earners in foundries and machine shops re-	Foun	dries	Machin	e shop s	Foundries and ma- chine shops com- bined		
	ported by U. S. Census in 1925	Establish- ments	Wage earners	Establish- ments	Wage earners	Establish- ments	Wage earners	
Alabama California Colorado Connecticut Georgia. Illinois Indiana. Iowa Kansas Kentucky Louisiana Maine. Maryland Massachusetts. Michigan Minnesota. Missouri New Hampshire New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas	3, 286 59, 331 24, 339 5, 942 2, 398 1, 983 1, 576 968 3, 917 40, 107 51, 891 6, 123 8, 458 2, 772 25, 111 58, 400 75, 369 1, 870 75, 361 6, 072 3, 471	4 21 3 16 7 28 16 11 9 7 5 4 8 28 39 5 12 8 17 25 5 6 2 7 4 8 8	265 1,065 266 1,537 493 2,895 2,478 164 219 182 486 3,148 4,473 443 667 12,810 4,573 22,810 4,573 21,917 21	6 27	365 2, 239 3, 419 336 10, 133 2, 976 773 309 429 252 2467 7, 791 5, 971 6, 566 1, 343 4, 097 9, 017 14, 267 1, 1918 4, 58 8, 53	10 48 3 35 16 66 32 20 19 16 11 11 13 33 177 48 51 141 141 13 85 52 11 15	630 3, 304 266 4, 956 829 13, 028 5, 454 1, 531 593 471 649 1, 211 10, 939 10, 444 1, 1099 2, 010 880 6, 534 11, 827 18, 840 11, 827 17, 288 2, 659 877 17, 288 2, 659	
Washington Wisconsin All other States	3, 254 30, 965	7 13	271 1, 948	7 15	481 4, 337	14 28	752 6, 285	
Total	568, 832	417	38, 943	526	86, 779	943	125, 722	

The actual number of plants and of wage earners covered in both foundries and machine shops in each State in 1927 are shown in Table 11. For comparison the figures as reported by the United States Census of Manufactures for 1925, the latest year for which figures are available, are also shown. The table shows that 95 per cent of the wage earners employed in foundries and machine shops are located in the 28 States covered by the bureau and that data for 22 per cent of them are shown in this report.

The data included in the 1927 study were taken by agents of the bureau for practically all establishments directly from the pay rolls, time-clock cards, and other records of the establishments for a representative pay period in each of the years covered. A few establishments prepared data for the bureau from their records. A very large proportion of the establishments covered in 1927 were also included in 1923 and 1925. Data were taken for only part of the total number of wage earners in a few very large establishments, as the inclusion of all of them would have tended to impair the representative averages for the States in which these establishments are located. A very large per cent of the establishments included in the report pays employees every week compared with a small per cent that pays every two weeks, and very small per cent that pays twice each month. Data for those that pay every two weeks or half month were so taken as to make it possible to present figures for one week for wage earners

in all establishments. Approximately 90 per cent of the 1927 data are for a pay roll period in June, July, August, or September. averages, therefore, are fairly representative of wage conditions in those months.

GENERAL TABLES

In addition to the text tables already shown five general tables, which show the data in considerable detail, are presented as follows,

Table A.—Average number of days on which employees worked: average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State.

This table shows for each occupation and State all of the various averages which have been computed from the data collected in 1927. These are the averages of the days on which employees actually worked in one week, of full-time hours per week, of hours actually worked in one week, of earnings per hour, and of full-time and of actual earnings in one week.

The presentation in this table in parallel columns of "Average full-time hours per week" and "Average hours actually worked in one week" is for the purpose of easy comparison of the hours that would have been worked in one week had all employees in the occupation worked no more nor less than full time with the average hours actually worked in the week. One shows the full-time hours per week under normal conditions, while the other shows the hours actually worked in one week by all employees in the occupation.

Tables B, C, D, and E are distribution tables and are limited to 23 principal occupations—8 in foundries and 15 in machine shops.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State.

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State

FOUNDBIES

	Number of—		A	verage-	_	Per	Average earnings—			
Occupation, sex, and State	Estab- lish- ments	Em-	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week	
Chippers and rough grinders, male: Alabama California Colorado Connecticut Georgia Illinois	2 21 3 16 4 24	23 101 40 114 38 293	5. 5 5. 6 5. 5 5. 4 5. 1 5. 0	54. 6 46. 6 45. 3 51. 0 57. 5 48. 6	56. 6 44. 3 47. 7 48. 3 48. 3 45. 2	103. 7 95. 1 105. 3 94. 7 84. 0 93. 0	\$0.313 .616 .434 .507 .240 .610	\$17. 09 28. 71 19. 66 25. 86 13. 80 29. 65	\$17. 74 27. 27 20. 74 24. 48 11. 61 27. 58	

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

Chippers and rough grinders, male—Continued. Indiana	earnings— Full- ime, per week 5. 96 6. 22 1. 22 18. 9 6. 22 1. 22 18. 9 1. 26 1. 26 1. 26 1. 26 1. 26 1. 27 1. 26 1. 2
Chippers and rough grinders, male—Continued. Indiana. 13 166 5.1 51.5 53.3 49.7 93.2 492 26 20 53.3 54.0 48.3 89.4 393 21 80.2 80.	ime, in on week in on in week in on in in on i
male—Continued. 13 166 5.1 51.5 46.7 90.7 \$0.504 \$25 Iowa. 11 70 5.5 53.3 49.7 93.2 492 26 Kansas 8 38 5.3 54.0 48.3 89.4 393 21 Kentucky. 5 20 5.3 51.8 49.8 96.1 401 20 Louisiana. 3 34 5.4 47.5 43.4 91.4 362 17 Maine. 3 24 5.1 52.0 45.9 88.3 473 24 Maryland. 7 37 5.0 52.8 45.5 86.2 442 23 Massachusetts 28 378 5.6 49.8 47.2 94.8 537 22 Minnesota. 5 43 5.7 54.0 50.3 93.1 573 30 Misouri. 11 51 5.5 52.8 <td>6. 22 24. 4. 1. 22 18. 5. 20. 77 19. 5. 20. 77 19. 5. 21. 6. 74. 60 21. 6. 3. 34 20. 6. 74 25. 2. 25. 29. 56. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 6. 50 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 92 23. 7. 87 24. 8. 6. 52 23. 6.</td>	6. 22 24. 4. 1. 22 18. 5. 20. 77 19. 5. 20. 77 19. 5. 21. 6. 74. 60 21. 6. 3. 34 20. 6. 74 25. 2. 25. 29. 56. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 6. 50 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 92 23. 7. 87 24. 8. 6. 52 23. 6.
Maile—Continued. 13	6. 22 24. 4. 1. 22 18. 5. 20. 77 19. 5. 20. 77 19. 5. 21. 6. 74. 60 21. 6. 3. 34 20. 6. 74 25. 2. 25. 29. 56. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 6. 50 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 92 23. 7. 87 24. 8. 6. 52 23. 6.
Towa	6. 22 24. 4. 1. 22 18. 5. 20. 77 19. 5. 20. 77 19. 5. 21. 6. 74. 60 21. 6. 3. 34 20. 6. 74 25. 2. 25. 29. 56. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 35 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 6. 50 24. 6. 30 23. 5. 92 23. 5. 92 23. 5. 92 23. 7. 87 24. 8. 6. 52 23. 6.
Kansas 8 38 5.3 54.0 48.3 89.4 393 21 Kentucky 5 20 5.3 51.8 49.8 39.4 101 20 Louisiana 3 34 5.4 47.5 43.4 91.4 362 17 Maryland 7 37 5.0 52.8 45.5 86.2 442 23 Massachusetts 28 378 5.6 49.8 47.2 94.8 537 26 Michigan 38 380 5.1 51.5 54.4 86.2 274 29 88.6 374 29 Minnesota 5 43 5.7 54.0 50.3 93.1 573 30 New Hampshire 5 27 5.6 50.0 48.0 96.0 500 25 New York 23 296 5.2 50.4 48.8 93.6 580 29 50 0 98.6	0. 77 19.6 4. 60 21.6 4. 60 21.6 3. 34 20.0 9. 56 74 25.3 9. 56 35 24 0 5. 00 24.0 9. 36 25.5 9. 94 28.8 9. 94 29.0 6. 30 23.3 7. 87 24.8 6. 52 23.6 6. 61 14.0 9. 94 29.0 6. 7. 44 25.0
Louisiana	7. 20
Maryland 7 37 5.0 52.8 48.5 86.2 44.2 23 Massachusetts 28 378 5.6 49.8 47.2 94.8 5.37 26 Michigan 38 380 5.1 51.5 54.4 48.2 5.74 29 Minnesota 5 43 5.7 54.0 50.3 39.1 5.73 30 Missouri 11 51 5.5 52.8 48.3 91.5 499 26 New Hampshire 5 27 5.6 50.0 48.0 96.0 500 25 New Jersey 17 250 4.9 51.5 54.9 87.2 57.0 29 New York 23 296 5.2 50.4 48.8 96.8 5.94 29 Ohio 50 486 5.2 52.7 46.7 88.6 499 26 Oregon 7 23 3.3 46.0<	4. 60 21. 6 6. 74 25. 3 9. 56 25. 5 9. 56 25. 5 9. 56 25. 5 9. 56 25. 5 9. 94 29. 6 6. 30 23. 3 5. 92 23. 5 6. 52 23. 6 6. 61 14. 7 10. 991 29. 1 29. 1 29. 1 29. 1 29. 44 25. 6
Maryland 7 37 5.0 52.8 48.5 86.2 442 23 Massachusetts 28 378 5.6 49.8 47.2 94.8 537 26 Michigan 38 380 5.1 51.5 54.4 48.6 2.574 29 Minnesota 5 43 5.7 54.0 50.3 39.1 573 30 Missouri 11 51 5.5 52.8 48.3 91.5 499 26 New Hampshire 5 27 5.6 50.0 48.0 96.0 500 25 New York 23 296 5.2 50.4 48.8 96.8 594 29 Oregon 7 23 296 5.2 50.4 48.8 96.8 594 29 Ohio 50 486 5.2 52.7 46.7 88.6 499 26 Oregon 7 23 5.3	6. 74 25.3 9. 56 25.8 6. 35 24.0 9. 36 25.5 9. 94 29.0 9. 36 25.5 9. 94 29.0 23.3 5. 92 23.8 6. 61 14.0 17.1 10. 98 29.0 10. 98 29.0 10
Michigan	9. 56 25. 8 0. 94 28. 8 0. 35 24 0 5. 00 24. 0 9. 36 25. 8 9. 94 25. 6 6. 30 23. 3 7. 87 24. 8 6. 61 14. 0 19. 04 17. 1 0. 91 29. 1 0. 98 29. 0 7. 44 25. 0
Missourl	0. 94 28. 8 6. 35 24. 6 5. 00 24. 6 9. 36 25. 5 9. 94 29. 6 6. 30 23. 3 5. 92 23. 5 7. 87 24. 8 6. 52 23. 6 6. 61 14. 6 0. 91 29. 1 0. 98 29. 6 0. 98 29. 6
New Hampshire 5 27 5.6 50.0 48.0 96.0 500 500 500 50 50 15 44.9 15.15 44.9 81.5 44.9 81.5 44.9 82.5 57.0 29 New York 23 296 5.2 50.4 48.8 90.8 594 29 Ohio 50 486 5.2 52.7 46.7 88.6 499 28 Oregon 7 23 5.3 45.0 40.9 90.9 9.576 25 Pennsylvania 38 470 5.3 51.8 46.2 89.2 538 27 Rhode Island 8 120 5.1 51.4 46.3 90.1 516 26 Tennessee 4 33 5.0 49.3 41.7 84.6 337 16 Texas 5 22 5.5 52.3 47.2 90.2 364 18 Wisconsin <td>5. 00 24. 0 9. 36 25. 5 9. 94 29. 0 6. 30 23. 3 5. 92 23. 5 7. 87 24. 8 6. 52 23. 9 6. 61 14. 0 9. 04 17. 1 0. 91 29. 1 0. 98 20. 0 7. 44 25. 0</td>	5. 00 24. 0 9. 36 25. 5 9. 94 29. 0 6. 30 23. 3 5. 92 23. 5 7. 87 24. 8 6. 52 23. 9 6. 61 14. 0 9. 04 17. 1 0. 91 29. 1 0. 98 20. 0 7. 44 25. 0
Ohio 50 486 5.2 52.7 46.7 88.6 4.99 26 Oregon 7 23 5.3 45.0 40.9 90.9 9.576 25 Pennsylvania 38 470 5.3 51.8 46.2 89.2 538 27 Rhode Island 8 120 5.1 51.4 46.3 90.1 516 26 Tennessee 4 33 5.0 49.3 41.7 84.6 337 16 Texas 5 22 5.6 52.3 47.2 90.2 364 19 Wisconsin 13 254 5.7 47.7 44.9 94.1 648 30 Wisconsin 13 254 5.4 51.9 48.6 93.6 597 30 Total 379 3,857 5.2 51.1 46.6 91.2 537 27 Core makers, male: Alabama 3 19 <td< td=""><td>9. 36 25. 8 9. 94 29. 0 6. 30 23. 3 55. 92 23. 8 6. 52 23. 6 6. 52 23. 6 6. 61 14. 0 9. 04 17. 1 0. 91 29. 1 0. 98 29. 0 7. 44 25. 0</td></td<>	9. 36 25. 8 9. 94 29. 0 6. 30 23. 3 55. 92 23. 8 6. 52 23. 6 6. 52 23. 6 6. 61 14. 0 9. 04 17. 1 0. 91 29. 1 0. 98 29. 0 7. 44 25. 0
Ohio 50 486 5.2 52.7 46.7 88.6 4.99 26 Oregon 7 23 5.3 45.0 40.9 90.9 9.576 25 Pennsylvania 38 470 5.3 51.8 46.2 89.2 538 27 Rhode Island 8 120 5.1 51.4 46.3 90.1 516 26 Tennessee 4 33 5.0 49.3 41.7 84.6 337 16 Texas 5 22 5.5 52.3 47.2 90.2 364 19 Wisconsin 13 254 5.4 51.9 48.6 93.6 597 30 Total 379 3,857 5.2 51.1 46.6 91.2 537 27 Core makers, male: 3 19 5.5 54.2 50.7 93.5 544 29 California 21 117 5.2 45	6. 30 23. 3 5. 92 23. 5 7. 87 24. 8 6. 52 23. 9 6. 61 14. 0 17. 1 19. 04 17. 1 10. 91 29. 1 10. 98 20. 0 7. 44 25. 0 9. 48 27. 5
Oregon 7 23 5.3 45.0 40.9 90.9 5.76 25 Pennsylvania 38 470 5.3 51.8 46.2 89.2 538 27 Rhode Island 8 120 5.1 51.4 46.3 90.1 516 26 Tennessee 4 33 5.0 49.3 41.7 84.6 .337 16 Texas 5 22 5.6 52.3 47.2 90.2 .364 19 Washington 7 26 5.7 47.7 44.9 94.1 648 30 Wisconsin 13 254 5.4 51.9 48.6 93.6 .597 30 Total 379 3,867 5.2 51.1 46.6 91.2 .537 27 Core makers, male: Alabama 3 19 5.5 54.2 50.7 93.5 .544 29 California 21 117	5. 92 23. 8 7. 87 24. 8 6. 52 23. 6 6. 61 14. 0 9. 04 17. 1 0. 91 29. 1 0. 98 20. 0 7. 44 25. 0 9. 48 27. 5
Pennsylvania 38 470 5.3 51.8 46.2 89.2 53.8 27.7 Rbode Island 8 120 5.1 51.4 46.3 90.1 516 26 Tennessee 4 33 5.0 49.3 41.7 84.6 337 16 Texas 5 22 5.6 52.3 47.2 90.2 364 18 Washington 7 26 5.7 47.7 44.9 94.1 648 30 Wisconsin 13 254 5.4 51.9 48.6 93.6 597 30 Total 379 3,857 5.2 51.1 46.6 91.2 537 27 Por makers, male: Alabama 3 19 5.5 54.2 50.7 93.5 5.44 29 California 21 117 5.2 45.6 40.6 89.0 919 41 Colorado 3 29	7. 87 24. 8 6. 52 23. 9 6. 61 14. 0 9. 04 17. 1 0. 91 29. 1 0. 98 20. 0 7. 44 25. 0 9. 48 27. 5
Tennessee 4 33 5.0 49.3 41.7 84.6 .337 16 Texas 5 22 5.6 52.3 47.2 90.2 .364 19 Washington 7 26 5.7 47.7 44.9 94.1 .648 30 Wisconsin 13 264 5.4 51.9 48.6 93.6 .597 30 Total 379 3,857 5.2 51.1 46.6 91.2 .537 27 Core makers, male: Alabama 3 19 5.5 54.2 50.7 93.5 .544 29 California 21 117 5.2 45.6 40.6 89.0 919 41. Calcondo 3 20 5 44.8 42.5 89.0 919 41. California 21 117 5.2 45.6 40.6 89.0 919 41. California 5 5	6. 61
Texas 5 22 5.6 52.3 47.2 90.2 364 19 Washington 7 26 5.7 47.7 44.9 94.1 .648 30 Wisconsin 13 254 5.4 51.9 48.6 93.6 .597 30 Total 379 3,857 5.2 51.1 46.6 91.2 .537 27 Fore makers, male: Alabama 3 19 5.5 54.2 50.7 93.5 .544 29 California 21 117 5.2 45.6 40.6 89.0 919 41 Calorada 3 20 5.5 44.8 42.5 92.8 727, 13.5	9. 04 17. 1 0. 91 29. 1 0. 98 29. 0 7. 44 25. 0 9. 48 27. 5
Wisconsin 13 254 5.4 51.9 48.6 93.6 .597 30 Total 379 3,857 5.2 51.1 46.6 91.2 .537 27 Fore makers, male: Alabama 3 19 5.5 54.2 50.7 93.5 .544 29 California 21 117 5.2 45.6 40.6 89.0 919 41 Calorada 3 20 5.5 48.8 42.5 92.8 77.1 25	0. 91 29. 1 0. 98 29. 0 7. 44 25. 0 9. 48 27. 5
Total 379 3,857 5.2 51.1 46.6 91.2 537 27. For makers, male: Alabama. 3 19 5.5 54.2 50.7 93.5 544 29. California 21 117 5.2 45.6 40.6 89.0 91.9 41. Colorado 3 20 5.5 4.8 4.2 5.9 8.9 7.7 25.	7. 44 25. 0 9. 48 27. 5
Core makers, male: 3 19 5.5 54.2 80.7 93.5 544 29 California 21 117 5.2 45.6 40.6 89.0 919 41. Colorado 3 20 5.5 4.8 42.5 92.8 77.1 25.7	9. 48 27. 5
Alabama 3 19 5.5 54.2 50.7 93.5 544 29 California 21 117 5.2 45.6 40.6 89.0 919 41. Calogrado 3 20 5.5 48.8 42.5 92.8 77.1 35.	9. 48 27. 5
California 21 117 5.2 45.6 40.6 89.0 919 41.	1 01 0~ ~
Connecticut 16 96 5.2 49.7 44.8 90.1 .774 38	1. 91 37. 2
	5. 31 32. 7 8. 47 34. 6
Georgia 7 31 5.3 53.5 50.8 95.0 .434 23.	3. 22 22. 0
Illinois	0. 65 35. 2
Indiana	3. 86 30. 7 8. 75 35. 9
T7	0.40 26.9
Kansus 8 15 5.2 34.0 47.9 80.7 50.3 30.	1. 21 31. 8 3. 20 28. 7
Maine. 4 9 5.0 49.8 42.2 84.7 5555 27. Maryland 7 52 4.8 50.5 41.5 82.2 650 32.	7.64 23.3
Maryland 7 52 4.8 50.5 41.5 82.2 .650 32.	2.83 26.9
Massachusetts 28 163 5.3 49.1 44.4 90.4 823 40. Michigan 35 338 5.2 51.4 45.4 88.3 714 36.	0. 41 36. 5 6. 70 32. 3
Minnesota 5 51 54 53 2 46 3 87 0 721 38	8. 36 33. 3
Missouri 12 63 5.7 50.9 48.0 94.3 .750 38. New Hampshire 7 9 4.9 49.7 42.6 85.7 .732 36.	3. 18 36. 0 3. 38 31. 2
New Hampshire 7 9 4.9 49.7 42.6 85.7 .732 36. New Jersey 17 130 5.3 50.7 45.3 89.3 .804 40.	0.76 36.4
New York 24 220 5.2 48.6 46.2 95.1 .765 37.	7. 18 35. 3
0110	0. 52 35. 6 7. 81 33. 1
Pennsylvania 38 512 4.9 50.4 41.4 82.1 .789 39.	9. 77 32. 6
Rhode Island 8 52 5.4 51.2 47.4 92.6 .619 31. Tennessee 7 41 5.1 49.1 42.6 86.8 .607 29.	1.69 29.3
Tennessee 7 41 5.1 49.1 42.6 86.8 607 29. Texas 9 26 5.8 50.4 49.5 98.2 595 29.	9. 80 25. 8 9. 99 29. 4
Washington 7 17 5.6 47.0 43.2 91.9 .798 37.	7.51 34.5
	3. 36 29. 8
Total 401 3, 040 5.1 50.4 44.3 87.9 .755 38.	33. 4
Illinois 4 52 5.2 48.9 43.4 88.8 555 27.	7. 14 24. 0
Indiana	3. 20 23. 5
Iowa 1 (1) (1) (1) (1) (1) (1) (1) (1) (1) (0.96 20.8
Kentucky 2 5 5.4 47.0 46.7 99.4 446 20 Massachusetts 2 3 6.0 48.0 100.0 659 33 Michigan 7 55 4.1 51.3 34.2 66.7 42.1 21.	1.63 31.6
Towas	1. 60 14. 3 (1) (1)
New Jersey 4 49 4 M 49 1 40 1 81 / 1 474 23	3. 27 19. 0
New York 7 54 5.0 45.1 41.7 92.5 530 23.	3.90 22.0
Unio 2 14 5.9 45.7 45.1 98.7 .466 21.	1. 30 21. 0 0. 71 17. 7
Rhode Island 2 7 5.6 50.9 49.2 96.7 420 21.	1.38 + 20.6
	19.8
Total 41 324 4.9 48.4 40.6 83.9 .491 23.	3. 76 19. 9

 $^{^{\}rm 1}$ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numl	er of—	A	verage	_	Per	Aver	age ea rn	ings
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per	Full- time, per week	Made in one week
Crane operators, male: Alabama	3 12	5	6. 0 5. 3	54. 3 48. 6	62. 2 45. 0		\$0.577	\$31. 33 31. 98	\$35, 90 29, 63
California Colorado Connecticut	2 11	26 5 41	6. 0 5. 6	45. 6 51. 9	55. 5 53. 8	92. 6 121. 7 103. 7	. 658 . 598 . 538	27. 27 27. 92	33. 16 28. 93
Georgia	4	4	6.0	53. 8	61. 9	115.1	. 362	19.48	22.40
Illinois Indiana	15 8	53 19	5. 5 5. 4	50.8	56. 6 52. 4	111. 4 102. 3	.611	31. 04 25. 60	34.60
Iowa	6	15	5.9	51. 2 55. 5	57. 9	104.3	. 555	30.80	26. 20 32. 13
Kentucky	ž	2	5. 5	45. 0	50.3	111.8	. 457	20. 57	22. 98
Louisiana	1	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Maine	3	4	5.8	48.0	56.8	118.3	. 575	27. 60	32. 66
Maryland	18	4 44	5. 8 5. 5	51.8 49.2	51.0 49.8	98.5	. 471	24. 40 28. 29	24. 04 28. 68
Michigan	18	65	5. 0	53. 0	49.8	94. 0	. 586	31.06	29. 21
Minnesota	4	14	5. 4	52. 9	48. 5	91. 7	. 506	26.77	24. 56
Missouri New Jersey	8 12	18	6. 1	49. 4 54. 8	57. 9	117. 2 99. 5	. 655	32, 36 29, 98	37. 90 29. 81
New York	13	81 76	5. 5 5. 5	51.0	54. 5 53. 4	98. 9	. 547	35. 86	35. 48
Ohio	34	131	5. 5	55. 5	55. 1	99, 3	. 576	31. 97	31. 72
Oregon	4	7	5. 6	44.8	44.9	100.2	. 680	30. 46	30. 56
Pennsylvania Rhode Island	36 4	154 6	5. 4 5. 7	52. 0 51. 2	51. 0 57. 0	98. 1 111. 3	. 551	28.65 24.52	28. 10 27. 28
Tennessee	3	9	5. 4	49.6	53. 3	107. 5	.415	22. 07	23. 71
Texas	2	2	6.0	57.0	61.4	107.7	. 391	22, 29	24.00
Washington Wisconsin	4 11	7 78	5. 7 5. 5	47. 4 53. 3	48. 4 54. 1	102. 1 101. 5	. 677	32. 09 30. 01	32. 81 30. 50
Total	242			52. 6	<u> </u>	101. 5	. 575	30. 01	30. 47
	====		=====			100.0			00. 1
Cupola tenders, male: Alabama	4	5	6.0	52, 9	59. 2	111, 9	. 407	21, 53	24.06
California	21	25	5. 5	46, 4	45. 2	97.4	. 747	34. 66	33. 77
Colorado	2	2	5. 0	46.0	44, 9	97. 6	. 806	37.08	36.19
Connecticut Georgia	$\frac{16}{7}$	38 14	5. 4 5. 6	51, 6 55, 7	50. 8 53. 3	98. 4 95. 7	. 586	30. 24 19. 05	29. 78 18. 21
Illinois	26	38	5, 4	49. 9	49. 4	99.0	672	33, 53	33. 24
Indiana	15	22	5. 6	52.4	53. 3	101.7	.600	31.44	31. 98
Iowa		14	5. 9	51.8	55. 7	107.5	. 580	30.04	32. 30
Kansas Kentucky	9 7	10 9	5. 5 5. 3	53. 6 49. 8	50. 3 50. 8	93.8	. 493	26, 42 23, 36	24, 83 23, 86
Louisiana	5	9	4. 9	51. 1	43. 2	84. 5	. 526	26. 88	22. 72
Maine	4	4	5. 2	49. 5	45.7	92.3	. 581	28. 76	26, 54
Maryland	$\frac{8}{26}$	15 29	5, 2 5, 5	52, 8 50, 0	47.8 48.1	90. 5 96. 2	. 483	25. 50	23. 11 35. 27
Massachusetts Michigan	30	38	5.4	52, 5	52.5	100.0	.734	36. 70 34. 91	34. 87
Minnesota	5	6	5. 2	54, 5	49.1	90.1	.578	31, 50	28. 38
Missouri	11	14	5. 9	52.8	54.4	103.0	. 602	31.79	32. 71
New Hampshire	.8	8	5. 3	49, 9	45. 5	91.2	. 593	29, 59	26. 96
New York	17 25	37 42	5. 5 5. 6	53.6 54.3	55. 7 55. 9	103. 9 102. 9	636	34, 09 35, 24	35. 39 36. 26
Ohio	49	66	5. 3	53. 3	48.7	91.4	. 654	34.86	31. 90
Oregon	7	9	5.4	45.9	44.7	97.4	. 678	31.12	30.30
Pennsylvania	37	78	5.2	51.4	48.0	93.4	.642	33.00	30. 78
Rhode Island Tennessee	7 7	7 10	5. 4 5. 8	51. 0 49. 8	49. 0 48. 4	96. 1 97. 2	.689	35. 14 20. 22	33. 75 19. 64
Texas	10	11	5. 5	51.5	48. 0	93. 2	510	26. 27	24. 50
Washington	7	7	5. 9	47.3	47.3	100.0	. 759	35. 90	35. 87
Wisconsin	13	35	5. 7	53, 6	56, 9	106. 2	.605	32, 43	34. 39
Total	393	602	5.4	51.8	50. 7	97. 9	. 620	32. 12	31. 43

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	<u> </u>		1			<u> </u>			
	Numl	ber of—	A	verage	-	Per	Avera	age earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Laborers, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minsouri New Hampshire New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	4 20 20 16 7 28 15 11 6 4 4 3 3 7 28 39 5 12 6 6 17 25 52 7 40 8 8 7 9 9 6 13	67 258 24 490 165 6902 839 188 28 28 23 34 151 105 1,521 105 145 31 705 741 1,237 57 1,602 193 186 1,521 193 193 196 196 196 196 196 196 196 196 196 196	5.55 5.55 5.53 5.55 5.50 6.49 5.19 5.51 5.50 6.49 5.51 5.52 5.52 5.52 5.53 5.54 5.55 5.54 5.55 5.55 5.55 5.55	54. 0 48. 4 51. 7 53. 4 50. 5 50. 5 51. 1 53. 7 47. 5 51. 6 53. 0 53. 7 47. 5 53. 0 53. 1 50. 7 52. 3 54. 3 54. 3 52. 2 54. 2 45. 3 51. 3 51. 3 51. 4 52. 2 53. 2 53. 5 51. 3 51. 4 52. 2 53. 5 54. 3 55. 3	53. 8 46. 1 49. 8 51. 3 47. 7 49. 2 51. 0 45. 3 45. 6 43. 0 46. 6 44. 4 47. 4 48. 5 51. 1 48. 9 39. 7 44. 4 52. 9 44. 2 42. 2 44. 1 52. 9 44. 2 45. 3	99. 6 95. 2 95. 2 95. 3 95. 9 94. 5 95. 5 94. 5 96. 0 98. 3 84. 4 96. 0 98. 3 97. 5 88. 9 91. 5 88. 9 91. 2 98. 3 96. 2 87. 2 98. 3 98. 3 98. 3 98. 2 98. 3 98. 3 98. 2 98. 3 98. 2 98. 3 98. 3 98. 2 98. 3 98. 2 98. 3 98. 3	\$0. 306 . 557 . 438 . 478 . 256 . 549 . 473 . 393 . 380 . 381 . 501 . 529 . 491 . 445 . 466 . 468 . 525 . 475 . 473 . 488 . 525 . 475 . 473 . 380 . 381 . 501 . 529 . 491 . 448 . 525 . 475 . 473 . 380 . 380 . 381 . 501 . 529 . 491 . 491 . 497 . 488 . 528 . 475 . 529 . 539 . 539	\$16. 52 26. 964 25. 53 13. 70 27. 72 24. 57 25. 59 21. 10 18. 05 18. 05 18. 21 25. 23 25. 40 27. 66 66 23. 05 24. 90 24. 90 25. 75 26. 42 27. 67 26. 42 27. 72 27. 73 28. 84 29. 49 29. 49. 49 29. 49. 49 29. 49. 49 29. 49. 49 29. 49. 49 29. 4	\$16, 47 25, 67 21, 59 23, 77 13, 11 26, 14 23, 46 24, 15 17, 82 17, 35 15, 18 22, 19 16, 91 23, 75 24, 64 24, 42 20, 55 19, 48 22, 71 26, 73 20, 44 22, 20, 63 21, 63 22, 71 26, 73 21, 63 21, 63 21, 63 22, 63 24, 63 24, 63 28,
Total	401	11, 017	5. 2	52, 1	47. 9	91. 9	. 491	25, 58	23. 54
Molders, hand, bench, male: California. Colorado. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas. Kentucky. Louisiana. Maine. Maryland. Massachusetts. Michigan. Minnesota. Missouri. New Hampshire. New Jersey. New York. Ohio. Oregon. Pennsylvania. Rhode Island. Tennessee. Texas. Washington.	18 11 13 4 4 22 14 7 6 5 5 2 4 6 6 27 35 5 2 4 6 6 15 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	60 (1) 111 34 109 53 8 11 14 12 295 294 36 18 25 73 157 237 8 8 157 73 157 157	5. 2 (1) 4. 8 5. 13 5. 6 6 5. 3 3 5. 6 6 5. 3 3 5. 0 5 5. 2 5. 2 5. 2 5. 2 5. 3 5. 4. 8 5. 9 5. 9 5. 9 5. 9 5. 9 5. 9 5. 9 5. 9	45. 5 (1) 54. 2 56. 0 49. 9 50. 8 53. 8 53. 5 49. 1 52. 2 53. 4 49. 7 52. 2 51. 7 49. 1 50. 3 49. 1 49. 7 50. 3 49. 1 50. 3 50. 3 50	40. 5 (1) 43. 7 46. 0 46. 7 45. 8 54. 11 50. 7 53. 2 5 44. 9 54. 43. 5 42. 6 46. 0 42. 5 34. 44. 3 44. 40. 6 42. 0 55. 7 44. 9 42. 1	89. 0 (1) 80. 6 82. 2 93. 6 90. 2 100. 6 94. 8 108. 4 76. 0 89. 8 83. 3 88. 8 85. 7 86. 2 81. 5 89. 7 94. 8 87. 2 83. 8 87. 2 83. 8 87. 2 83. 8 87. 2 87. 2 88. 8 87. 2 87. 3 88. 5 89. 2	. 941 (1) . 683 . 595 . 774 . 796 . 582 . 567 . 530 . 685 . 704 . 900 . 841 . 790 . 841 . 790 . 821 . 790 . 825 . 734 . 694 . 667 . 747 . 582 . 794 . 909 . 841 . 790 . 749 . 749	42. 82 (1) 37. 02 38. 62 40. 44 40. 19 31. 14 27. 84 27. 56 35. 76 37. 59 44. 10 41. 80 45. 44 36. 96 37. 59 41. 32 38. 79 37. 47 37. 47 38. 79 37. 47 38. 48 48. 90 38. 49 38. 49 48. 49 48 48. 49 48 48 48 48 48 48 48 48 48 48 48 48 48	38. 10 (1) 29. 84 27. 40. 41. 29. 52 30. 17 30. 14 31. 35. 83 40. 30 32. 83 40. 30 33. 85 31. 43 33. 07 23. 13 35. 83 36. 65
Total	324	2, 063	5. 2	50. 5	44. 5	88. 1	. 789	39. 84	35. 12
i					ļ 		====	<u> </u>	===

¹ Included in total.

Molders, hand, floor, male: Alabama		Numl	er of—	A	verage-	-	Per	Avera	ige earn	ing s
Alabama	Occupation, sex, and State	lish-		ber of days worked in one	time hours per	actually worked in one	cent of full- time hours actually		time, per	Made in one week
Total.	Alabama California Colorado. Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington	19 3 16 7 28 15 11 7 7 4 7 27 27 28 12 8 16 16 25 51 7 40 40 7 7	205 499 244 68 3611 288 130 44 35 35 96 367 417 417 49 262 326 832 38 739 106 87 69 67	5.2 1 1 4.9 8 5.1 1 5.0 1 5.1 1 5.0 2 5.3 1 5.0 1 5.0 5.5 6 6 5.1 1 5.0 2 5.4 9 6 5.5 6 6 6 6	45. 5 45. 5 49. 4 53. 4 47. 3 50. 9 52. 4 50. 3 47. 8 50. 2 47. 8 50. 2 47. 8 50. 2 49. 1 50. 7 49. 2 50. 7 49. 4 50. 6 50. 7 49. 4 50. 6 50. 7 40. 6 50. 6 6 50. 7 40. 6 6 50. 7 40. 6 6 50. 7 40. 6 6 50. 6 6 50. 7 40. 6 6 50. 6 6 6 6 7 4 6 7 4 5 7 7 4 7 7 7 7	41. 0 42. 3 43. 8 42. 9 45. 2 49. 9 51. 1 44. 9 42. 6 43. 1 44. 8 45. 8 45. 8 45. 8 44. 4 44. 3 44. 2 37. 1 41. 5 42. 7 47. 1 47. 1	90. 1 93. 0 88. 7 80. 3 90. 3 88. 8 95. 2 95. 0 91. 1 85. 5 89. 1 84. 6 85. 5 7 80. 7 80. 7 80. 7 81. 4 92. 9 93. 2 93. 2 94. 0 95. 2	. 960 . 805 . 811 . 720 . 831 . 709 . 816 . 623 . 667 . 703 . 667 . 773 . 971 . 789 . 667 . 817 . 785 . 882 . 848 . 865 . 817 . 789 . 667 . 817 . 789 . 848 . 848	43, 68 36, 63 34, 06 38, 45 39, 31 36, 09 42, 76 33, 52 32, 39 35, 36 31, 88 38, 80 47, 00 40, 40 34, 95 41, 26 40, 93 42, 94 41, 34 43, 38 36, 82 39, 52 39, 31 41, 34 36, 82 39, 39, 31 41, 34 36, 82 39, 52 39, 31 41, 34 31, 34 31, 34 32, 32 33, 32 34, 32 35, 36 36, 31 36, 32 37, 32 38, 32 39, 31 39, 31 30, 32 30, 32 30	\$38. 19 39. 34 34. 08 35. 55 30. 93 35. 46 32. 06 40. 68 31. 85 29. 49 30. 21 28. 42 34. 19 29. 86 37. 48 32. 94 32. 12 34. 84 35. 78 28. 92 36. 18 35. 61
California 6 16 4.9 49,7 45,7 92,0 955 47,46 43,6 Colorado 2 4 5.0 49,7 45,7 92,0 955 47,46 43,6 Connecticut 8 111 5.2 54,5 48,4 88,8 648 35,32 31,3 Georgia 2 17 5.4 54,1 44,9 83,0 706 38,19 31,6 Illinois 13 217 5.2 50,5 46,4 91,9 9,77 39,74 36,5 Indiana 12 336 4.9 50,1 43,2 86,2 724 36,27 31,2 Iowa 7 68 5.2 50,6 45,9 90,7 7691 34,96 31,7 48,3 48,2 86,2 724 36,27 31,2 48,6 18,2 73,0 584 31,54 23,0 584 31,54 23,0 584 31,54 23,0	Total	402	5, 375	5. 1	49. 9	43.8	87. 8	. 820	40. 92	35. 91
Wisconsin 11 288 5.3 51.3 47.0 91.6 .772 39.60 36.3 Total 220 3,102 5.1 50.4 44.3 87.9 .753 37.95 33.3	California Coloredo Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New York Ohio Pennsylvania Rhode Island	2 8 8 8 8 13 12 12 13 14 4 23 3 21 15 15 17 25 26 7 2 2 2	4 111 17 217 316 68 68 6 122 (1) 29 325 426 220 312 247 214 101 7	5. 0 5. 2 4 5. 2 9 5. 2 9 5. 2 9 5. 3 4 5. 9 5. 6 6 5. 8 9 5. 6 6 5. 8 9 5. 2 9 5. 4 9 5. 4 9 5. 4 9 5. 6 6 5. 7 9 5. 8 9	45. 0 54. 5 50. 5 50. 1 50. 5 50. 1 50. 6 54. 0 44. 6 (1) 53. 6 54. 5 51. 1 54. 9 52. 5 47. 5 49. 9 50. 5 49. 7 50. 1 49. 7 50. 1 49. 7 50. 1 49. 7 50. 1 49. 7 49. 8	39. 2 48. 4 44. 4 45. 9 39. 4 40. 5 (1) 47. 3 44. 8 44. 9 48. 9 42. 6 44. 2 41. 3 47. 0	87. 1 88. 8 83. 0 91. 9 86. 22 90. 7 73. 0 90. 8 (1) (2) 91. 8 83. 9 94. 6 85. 4 98. 0 83. 6 89. 7 88. 2 83. 1 90. 7 79. 8	.638 .648 .706 .787 .724 .691 .584 .569 (1) .639 .836 .657 .793 .757 .777 .777 .7765 .700	28. 71 35. 32 38. 19 39. 74 36. 27 34. 96 31. 54 25. 38 (1) 34. 255 37. 23 35. 36 35. 36 39. 57 39. 74 37. 38 38. 33 34. 79 39. 99 21. 99	43. 68 24. 99 31. 34 31. 64 36. 52 31. 22 31. 22 31. 22 37. 18 31. 22 29. 86 30. 22 38. 76 33. 57 33. 57 36. 27 37. 18 31. 26 31. 76 32. 33. 57 33. 57 34. 33. 57 36. 27 37. 17. 52 31. 76

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State - Continued

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numi	er of—	A	verage-		Per	Avera	ige ea r n	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full-	Per hour	Full- time, per week	Made in one week
Rough carpenters, male: Alabama California	3 20	6 28	5. 3 5. 5	54. 1 46. 0	47. 2 44. 1	87. 2 95. 9	\$0. 571 . 732	\$30. 89 33. 67	\$26. 98 32. 28
Colorado — — — — — — — — — — — — — — — — — — —	3 13 4	13 27 11	5. 8 5. 4 5. 5	47. 4 53. 5 56. 4	47. 1 49. 7 46. 5	99. 4 92. 9 82. 4	. 600 . 573 . 422	28. 44 30. 66 23. 80	28. 27 28. 48 19. 58
Illinois Indiana Iowa	11 10 7	32 22 13	5. 2 5. 3 5. 7	51. 0 49. 4 52. 5	44. 6 48. 3 53. 4	87. 5 97. 8 101. 7	. 599 . 554 . 445	30. 55 27. 37 23. 36	26. 70 26. 76 23. 75
Kansas Kentucky Louisiana	4 2 2	5 3 7	5. 8 4. 0 5. 3	51. 2 46. 7 46. 3	50. 4 37. 3 43. 6	98. 4 79. 9 94. 2	. 420 . 453 . 496	21. 50 21. 16 22. 96	21. 19 16. 87 21. 64
Maine Maryland Massachusetts	$\begin{array}{c} 3 \\ 6 \\ 26 \\ 24 \end{array}$	4 8 62	5. 3 5. 1 5. 8	48. 5 52. 5 49. 0	45. 0 44. 3 47. 6	92. 8 84. 4 97. 1	. 586 . 583 . 640	28. 42 30. 61 31. 36 30. 81	26. 35 25. 79 30. 44
Michigan Minnesota Missouri New Hampshire	5 8 3	73 12 11 4	5. 6 5. 5 4. 8 5. 8	51. 7 51. 8 52. 0 50. 5	48. 5 50. 9 43. 8 48. 3	92. 8 98. 3 84. 2 95. 6	. 596 . 575 . 577 . 496	29. 79 30. 00 25. 05	28. 88 29. 26 25. 26 23. 94
New Jersey New York Ohio	13 22 36	30 39 57	5. 6 5. 6 5. 5	51. 0 50. 9 51. 1	50. 5 52. 2 48. 5	99. 0 102. 6 94. 9	.620 .644 .671	31. 62 32. 78 34. 29	31. 34 33. 66 32. 56
Oregon Pennsylvania Rhode Island Tennessee	7 32 6 3	7 86 16 8	5. 3 5. 6 5. 5 5. 0	45. 8 51. 2 52. 0 49. 8	39.7 48.4 49.5 41.8	86. 7 94. 5 95. 2 83. 9	.673 .615 .608 .492	30. 82 31. 49 31. 62 24. 50	26. 68 29. 76 30. 06 20. 53
Texas	4 4 11	5 6 30	5. 2 5. 2 5. 5	49. 6 47. 3 52. 3	42. 5 42. 2 48. 3	85. 7 89. 2 92. 4	. 664 . 659 . 635	32. 93 31. 17 33. 21	28. 25 27. 84 30. 69
Total	292	625	5. 5	50.8	47.9	94. 3	. 609	30. 94	29. 18
Sand blasters, male: California	5	11	5.6	45. 7	46. 4	101.5	. 587	26. 83	27.23
Connecticut	9	(1)	5. 4 (1) 5. 3	53. 2 (1) 52. 3	50. 5 (1) 46. 6	94. 9 (1) 89. 1	. 553 (1) . 576	29, 42 (1) 30, 12	27, 93 (1) 26, 82
Indiana Iowa Kansas	5 2	27 12 2	4.6 4.8 6.0	50, 9 53, 5 54, 0	40. 0 42. 1 62. 8	78.6 78.7 116.3	.516 .512 .413	26. 26 27. 39 22. 30	20.60 21.54 25.91
Maine Maryland Massachusetts Michigan	1 5 12	(1) 7 17	5. 3 5. 6	(1) 52. 7 49. 9	(1) 46. 4 47. 0	(1) 88. 0 94. 2	. 430 . 628	22.66 31.34	(1) 19.98 29.53
Minnesota Missouri New Hampshire	3	52 7 (1)	5. 2 6. 0 (1) (1)	52.2 51.8 (1) (1)	47. 1 51. 7 (1)	90. 2 99. 8 (1)	.660 .497 (1)	34. 45 25. 74 (1) (1)	31. 08 25. 63 (1) (1)
New Jersey New York Ohio	14 15 16	29 25 29	5.6 5.3 4.8	51.2 49.1 53.5	52.4 48.0 44.0	102.3 97.8 82.2	.558 .679 .548	28. 57 33. 34 29. 32	29. 22 32. 57 24. 15
Oregon Pennsylvania Rhode Island	1 22 4	(1) 67 9	(1) 5. 1 5. 7	(1) 51. 1 52. 4	(1) 43. 8 50. 7	(1) 85. 7 96. 8	(1) .601 .475	30. 71 24. 89	26, 32 24, 06
Tennessee Washington Wisconsin	1 3 8	(1) 3 22	6, 0 5, 6	(1) 46. 3 52. 2	(1) 45. 3 53. 9	97. 8 103. 3	.618 .720	28.61 37.58	28. 00 38. 85
Total	175	362	5. 2	51. 7	46. 8	90. 5	. 591	30, 55	27. 63

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Num	ber of—	1	verage	_	Per	Aver	age earr	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one weck	Full- time hours per week	Hours actually worked in one week	cent of full-	Per hour	Full- time, per week	Made in one week
Other foundry employees, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Mar yland Massachusetts Michigan Minneseta Missouri New Jersey New	3 18 3 16 6 6 23 15 11 4 4 4 4 3 7 27 36 5 9 3 17 24 43 6 6 8 8 7 6 6 6 12	8 132 45 144 44 4325 229 75 15 12 12 14 10 31 514 508 40 38 14 320 318 450 42 42 594 43 20 30 40 40 40 40 40 40 40 40 40 40 40 40 40	6.0 5.5 5.5 5.5 5.3 5.5 5.3 5.5 5.3 5.5 5.5	54. 3 48. 6 46. 9 52. 6 55. 4 48. 6 50. 4 53. 9 56. 0 53. 9 57. 6 50. 6 51. 6	55. 8 44. 9 51. 7 50. 0 44. 9 451. 5 54. 9 52. 6 49. 1 49. 8 43. 7 46. 7 48. 2 48. 6 49. 2 7 48. 5 50. 7 48. 5 50. 9 49. 4 40. 9 40. 4 40. 9 40.	102. 8 92. 4 110. 2 95. 1 81. 0 97. 5 102. 2 101. 9 93. 9 92. 3 91. 8 79. 5 94. 0 93. 2 94. 0 101. 2 94. 0 95. 0 96. 0 96. 0 97. 5 97. 5 98. 0 98. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	\$0.470 .657 .571 .575 .596 .390 .648 .551 .585 .342 .419 .340 .572 .439 .591 .596 .523 .583 .583 .583 .583 .583 .585 .621 .585 .621 .631 .631 .631 .631 .631 .631 .631 .63	\$25. 52 31. 93 26. 78 29. 25 21. 61 31. 49 27. 77 31. 53 19. 15 22. 29 29. 23 37 33. 14 29. 37 33. 04 26. 51 26. 51 26. 98 29. 93 31. 86 29. 93 31. 86 29. 93 31. 41 29. 15 22. 29 29. 20 27. 07 31. 44 29. 31. 82 29. 93 31. 84 29. 93 31. 84 29. 93 31. 84 29. 93 27. 07 28. 29. 29. 29. 29. 29. 29. 29. 29. 29. 29	\$26. 18 29, 48 29, 49 27, 82 17, 53 30, 74 28, 38 32, 15 17, 98 20, 57 16, 91 24, 95 18, 38 27, 61 30, 77 24, 61 25, 73 28, 03 28, 16 32, 24 24, 95 30, 28, 16 30, 28, 18, 18, 18, 18, 18, 18, 18, 18, 18, 1
Total	365	4, 254	5.4	51.0	48.4	94. 9	. 587	29. 94	28.40
Other foundry employees, female:	1 1 2 5 1 2 1 1 1	(1) (1) 4 29 (1) 9 (1) (1) (1)	(1) (1) 6. 0 5. 4 (1) 5. 1 (1) (1)	(1) (1) 48. 0 52. 2 (1) 49. 2 (1) (1) (1)	(1) (1) 48. 0 47. 2 (1) 43. 8 (1) (1) (1)	(1) (1) 100. 0 90. 4 (1) 89. 0 (1) (1) (1)	(1) (1) . 335 . 453 (1) . 335 (1) (1) (1)	(1) (1) 16. 08 23. 65 (1) 16. 48 (1) (1) (1)	(1) (1) 16.08 21.35 (1) 14.70 (1) (1) (1)
Total	15	115	5.0	50.6	42.8	84. 6	.376	19.03	16. 08

MACHINE SHOPS

								,	
Assemblers, male:									
Alabama	2	22	5. 6	5 4 . 9	52.3		\$0.561	\$30.80	\$29.35
California	14	146	5.8	45.9	46.9	102. 2	. 810	37. 18	37.96
Connecticut	18	324	5.7	51.1	49.2	96. 3	. 684	34. 95	33.66
Georgia	2	7	6.0	53.6	52.8	98. 5	. 606	32. 48	32.00
Illinois	31	860	5.7	50.4	49.1	97.4	. 679	34. 22	33. 34
Indiana	14	325	5.7	51.6	50.0	96. 9	. 536	27. 66	26, 78
Iowa	9	89	5.7	51.9	52, 9	101.9	. 513	26. 62	27, 12
Kansas	3	40	4.7	49.9	40.2	80.6	. 431	21, 51	17. 32
Kentucky		76	5. 5	48.0	43.8	91. 3	. 594	28, 51	26, 03
Louisiana	2	2	6.0	59.0	56.0	94.9	. 412	24. 31	23.08
Maine	$\begin{vmatrix} 2 \\ 3 \end{vmatrix}$	22	5. 2	47.8	42, 7	89. 3	. 556	26. 58	23. 72
Maryland		41	5. 6	48.0	45.5	94.8	. 645	30.96	29. 33
Massachusetts	9	241	5. 6	48. 4	47.1	97. 3	. 605	29. 28	28, 54
Michigan	24	504	5. 7	51.0	49.1	96.3	. 618	31, 52	30. 35
Minnesota.	5	68	5, 5	50.0	45.8	91.6	. 617	30.85	28, 23
Missouri	15	134	5. 7	52. 0	50. 2	96. 5	. 564	29. 33	28. 32

¹ Included in total.

	Numb	oer of—	A	verage-	_	Per	Avera	ige earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Assemblers, male—Continued New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island	4 26 22 72 72 5 42	16 480 976 1,718 30 1,187	6. 0 5. 7 5. 4 5. 6 5. 5 5. 4 5. 4	50. 0 49. 1 48. 3 49. 7 45. 2 51. 3 50. 5	49. 9 49. 4 47. 2 47. 1 43. 6 47. 0 46. 2	99. 8 100. 6 97. 7 94. 8 96. 5 91. 6 91. 5	\$0.577 .713 .705 .640 .728 .665 .600	\$28. 85 35. 01 34. 05 31. 81 32. 91 34. 11 30. 30	\$28. 83 35. 23 33. 29 30. 13 31. 74 31. 25 27. 76
Tennessee Texas Washington Wisconsin	2 5 4 14	30 67 34 437	5. 5 5. 9 5. 9 5. 6	48. 0 51. 3 47. 6 52. 1	43. 7 50. 1 48. 2 48. 7	91. 0 97. 7 101. 3 93. 5	. 552 . 535 . 777 . 649	26. 50 27. 45 36. 99 33. 81	24. 14 26. 83 37. 44 31. 62
Total	368	8, 019	5. 6	50. 1	47. 9	95. 6	. 653	32. 72	31. 26
Assemblers, female: Illinois Indiana. Massachusetts Michigan. New Jersey New York Ohio. Wisconsin	1	8 (¹) 35 (¹) (¹) 7 (¹)	5. 9 (1) 5. 4 (1) (1) 5. 7 5. 4 (1)	50. 9 (1) 48. 0 (1) (1) 49. 1 49. 2 (1)	49. 5 (1) 42. 1 (1) (1) 47. 1 44. 8 (1)	97. 2 (1) 87. 7 (1) (1) 95. 9 91. 1	.530 (¹) .478 (¹) (¹) .430 .511 (¹)	26. 98 (1) 22. 94 (1) (1) 21. 11 25. 14 (1)	26. 25 (*) 20. 14 (*) (*) 20. 24 22. 87 (*)
Total	14	120	5. 3	49. 5	43. 5	87. 9	. 423	20. 94	18.39
Blacksmiths, male: Alabama California Connecticut Georgia Illinois Indiana. Iowa Kansas Kentucky Louisiana Maine. Maryland Massachusetts Michigan Minnesota Missouri New Hampshire. New Jersey New York Ohio. Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	15 32 13 6 8 5 4 4 5 5 30 25 6 6 13 13 7 7 24 4 22 24 4 22 24 21 21 21 21 21 21 21 21 21 21	5 32 39 7 71 11 13 6 6 5 8 13 16 5 43 17 14 10 45 53 128 7 7 111 10 17 7 7	6. 9 9 5. 7 6 8 8 4 5 5 6 5 5 8 5 5 5 6 4 4 5 5 5 6 5 6 4 6 6 5 6 4 8 5 5 6 6 5 6 8 6 6 5 6 8 6 6 5 6 8 6 6 5 6 8 6 6 5 6 8 6 6 6 6	53. 2 46. 5 50. 7 53. 1 51. 8 51. 8 53. 2 49. 3 48. 5 48. 5 49. 4 51. 0 50. 1 52. 5 49. 3 49. 4 51. 0 49. 1 49. 1 49. 4 49. 4 51. 7 49. 4 49. 4 51. 8 51. 8	53. 4 47. 7 52. 0 48. 7 55. 2 51. 1 42. 4 45. 6 42. 6 46. 7 49. 7 49. 7 47. 3 46. 4 47. 7 48. 5 47. 3 46. 2 48. 5 47. 3 48. 5 47. 3 48. 5 48. 5 47. 3 48. 5 48. 5 49. 7 49. 7 40. 7	100. 4 102. 6 102. 6 91. 7 95. 2 97. 3 106. 6 96. 1 86. 0 72. 7 94. 0 87. 3 94. 5 97. 3 96. 8 90. 1 93. 2 100. 0 95. 2 91. 0 94. 9 98. 0 99. 5	. 723 . 852 . 764 . 704 . 644 . 720 . 672 . 758 . 605 . 604 . 689 . 633 . 658 . 649 . 741 . 700 . 787 . 724 . 820 . 745 . 755 . 755 . 755 . 756 . 757 . 757 . 758 . 758	38. 46 39. 62 37. 57 33. 72 38. 28 36. 47 33. 36 38. 33 34. 00 22. 9. 34 34. 36 33. 94 35. 14 31. 71 34. 55 35. 77 37. 18 36. 38 34. 93 35. 97 37. 51 37. 99 37. 13 37. 99 37. 13	38. 61 40. 61 38. 51 30. 94 35. 47 28. 48 29. 06 27. 59 30. 01 32. 13 34. 17 30. 66 31. 11 33. 30 37. 20 34. 17 32. 50 34. 21 33. 46 39. 71 30. 35. 87 30. 37 31. 20 32. 30 33. 41 33. 42 33. 42 33. 42 34. 21 35. 47 36. 47 37. 20 37. 20 38. 48 38. 48 39. 4
Total	406	845	5. 6	50. 2	47.7	95. 0	.726	36. 45	34. 65
		:,=====	, 	1				-1	

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numl	oer of—	A	verage		Per	Aver	age earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Blacksmiths' helpers, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	2 15 12 4 200 8 5 6 6 2 4 3 1 13 4 4 8 2 18 17 49 6 34 7 7 8 9 9 4 4 9	7 300 30 55 400 24 9 9 12 2 7 5 (1) 42 26 13 14 4 36 49 103 8 135 14 16 30 112 45	5.4 5.8 5.8 5.5 5.7 5.9 6.0 5.4 (1) 5.9 5.5 5.3 6.0 6.8 6.8 6.8 6.5 5.5 6.8 6.8 6.5 6.5 6.8 6.5 6.5 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8 6.8	54. 3 47. 0 50. 7 52. 5 40. 3 51. 7 51. 8 53. 1 47. 0 50. 3 47. 6 51. 5 52. 2 52. 5 49. 9 48. 5 50. 8 49. 4 49. 7 49. 7 49. 7 49. 6	50. 4 46. 5 53. 6 50. 7 46. 1 49. 9 54. 8 49. 0 41. 3 45. 0 (1) 48. 0 51. 3 50. 5 45. 0 54. 5 47. 2 47. 3 44. 1 46. 8 44. 1 48. 4 47. 7 44. 2 50. 8	92.8 98.9 98.5 96.6 93.5 96.5 105.8 92.3 100.0 82.1 94.5 (1) 97.2 99.8 103.6 101.8 97.3 93.1 98.5 97.8 97.9 98.5 98.	\$0. 363 6188 521 266 559 506 468 439 480 471 502 522 471 530 538 572 524 601 546 516 389 436 607 558	\$19. 71 29. 05 26. 41 13. 97 27. 56 26. 16 24. 24 24. 23. 31 22. 56 23. 69 21. 75 (1) 24. 80 26. 83 24. 26 27. 67 27. 74 26. 62 27. 62 28. 23 26. 01 19. 26 21. 67 30. 29 30. 29. 35	\$18. 30 28. 73 27. 91 13. 48 25. 74 25. 25 25. 64 21. 51 22. 55 (1) 22. 55 (1) 23. 75 23. 82 24. 09 26. 81 27. 15 28. 92 27. 34 26. 98 26. 98 26. 98 27. 15 28. 92 27. 34 26. 98 26. 98 26. 98 26. 98 26. 98 27. 15 28. 92 27. 34
Total	291	722	5. 6	50. 2	48.1	95. 8	. 525	26.36	25. 25
Boring-mill hands and operators, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maryland Maryland Maryland Michigan Minesota Michigan Minesota Misouri New Hampshire New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	2 15 16 4 30 9 3 3 4 4 3 3 3 3 27 15 3 11 1 4 4 25 5 3 3 14 4 42	14 63 109 7 7 253 30 19 6 6 8 6 100 84 115 552 6 6 119 208 514 122 334 33 8 6 6 15 163	5.80 5.56 5.56 5.56 5.56 5.56 5.56 5.56 5.5	54. 6 45. 8 50. 9 50. 0 51. 9 53. 0 51. 3 45. 8 51. 3 48. 5 48. 4 48. 5 50. 3 51. 4 49. 2 51. 4 49. 2 51. 8 50. 5 50. 3 50. 4 50. 3 50. 4 50. 3 50. 4 50. 3 50. 3 50. 3 60. 3	54. 0 47. 7 52. 54. 8 47. 8 50. 2 56. 8 54. 5 54. 5 43. 0 48. 5 50. 4 47. 7 46. 4 47. 7 46. 4 47. 7 46. 4 47. 7 46. 4 47. 8 50. 5 43. 3 50. 5 43. 3 50. 5 43. 5 43. 5 43. 5 44. 5 45. 5 45. 5 45. 5 45. 5 45. 5 45. 5 45. 5 45. 5 46. 4 47. 7 46. 4 47. 7 47. 7 46. 4 47. 7 47. 8 47. 8 47	98. 9 104. 1 103. 3 101. 7 95. 6 96. 7 107. 2 106. 9 85. 8 98. 4 90. 9 88. 7 100. 2 97. 1 96. 4 95. 8 92. 2 97. 1 96. 3 97. 7 96. 5 93. 9 98. 7	. 694 . 846 . 753 . 461 . 784 . 616 . 566 . 412 . 768 . 726 . 629 . 851 . 707 . 702 . 706 . 660 . 762 . 741 . 725 . 795 . 561 . 793 . 744	37. 89 38. 75 38. 25 24. 85 39. 20 31. 97 30. 00 21. 01 35. 17 37. 24 22 33. 58 34. 75 34. 22 33. 58 34. 75 35. 20 37. 64 36. 46 37. 27 35. 80 36. 80 37. 80 38. 80	37. 45 40. 33 39. 56 30. 96 32. 17 22. 46 30. 15 36. 64 26. 55 36. 61 33. 49 34. 20 30. 62 34. 20 30. 62 31. 96 32. 26 32. 36. 36 34. 27 34. 20 35. 26 36. 36 37. 44 38. 26

¹ Included in total.

	Numl	oer of—	A	verage-	_	Per	Avera	ige earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Buffers and polishers, male: Alabama California Connecticut Illinois Indiana Iowa Kentucky Maine Maryland Massachusetts Michigan New Hampshire New Jersey New York Ohio Pennsylvania Rhode Island Wisconsin	2 1 14 12 1 4 11 25 11 5	(1) (6) (1) (4) (1) (17) (18) (18) (19) (14) (19) (14) (19) (19) (19) (19) (19) (19) (19) (19	(1) (1) (2) (3) (3) (4) (5) (5) (5) (6) (7) (7) (8) (8) (8) (9) (9) (9) (9) (9) (9) (9) (9) (9) (9	(1) (1) 51. 3 47. 9 (1) 50. 8 (1) 48. 5 50. 0 (1) 50. 0 48. 1 49. 8 51. 1 50. 4 52. 6	(1) (46, 1, 44, 5, 1) (1) (2) (3) (46, 1, 1) (45, 1, 1) (45, 4, 45, 0, 1) (40, 5, 47, 0, 1) (40, 5, 1) (41, 1) (42, 1) (43, 1) (44, 1) (45, 1)	(1) 89, 9 92, 9 90, 7 (1) 95, 6 (2) 93, 6 90, 0 (1) 99, 0 97, 7 88, 0 98, 0 95, 8 93, 0	(1) (2) (3) (1) (1) (1) (2) (491 (1) (1) (646 (849 (1) (1) (1772 ((1) (1) (2) (31, 34 (1) (24, 94 (1) (1) (24, 94 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	(1) (2) \$28. 13 33. 83 (1) 22. 64 (1) 29. 36 38. 17 (1) 38. 17 33. 06 28. 39 32. 05
Total	109	580	5. 5	49. 4	45. 7	92. 5	. 699	34. 53	31. 96
Buffers and polishers, female: New Hampshire New York Pennsylvania	1 1 1	(i) (i)	(1) (1)	(1) (1) (1)	(1) (1) (2)	(1) (1) (1)	(1) (1) (1)	(1) (1) (1)	(1) (1) (1)
Total	3	6	5. 5	49. 0	43. 0	87.8	. 450	22. 05	19. 34
Crane operators, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	10 8 2 19 6 3 2 2 2 1 1 1 9 7 4 4 7 47 47 47 47 47 47 47 47 47 47 4	8 20 50 2 76 177 4 2 2 (1) (1) 18 20 9 20 42 29 99 201 7 152 7 4 4 99 20 99	5.60 5.80 5.66 5.66 5.55 (1) 6.13 5.77 5.66 5.71 5.66 6.00 6.55	54. 1 47. 8 50. 2 54. 0 50. 9 53. 4 47. 5 51. 0 (1) 51. 8 49. 8 50. 5 49. 3 51. 5 49. 3 51. 5 50. 4 49. 0 47. 9	53. 8 50. 4 50. 6 54. 7 56. 2 43. 0 42. 8 (1) 55. 0 52. 0 47. 3 45. 7 53. 2 50. 6 51. 3 38. 8 52. 5 55. 7 49. 0 63. 3 49. 5	99. 4 105. 4 106. 2 93. 3 99. 4 102. 4 110. 6 90. 5 83. 9 (1) (1) 106. 2 104. 4 92. 6 91. 8 105. 3 102. 6 99. 1 110. 5 100. 0 93. 6	. 551 697 . 498 . 563 . 445 . 418 . 488 (1) . 529 . 504 . 493 . 563 . 544 . 680 . 511 . 457 . 705 . 674 . 541	29. 81 33. 32 25. 00 17. 66 30. 06 22. 61 19. 86 24. 89 (1) 27. 40 25. 10 25. 19 29. 23 28. 43 26. 82 29. 92 27. 40 25. 75 22. 39 33. 84 32. 82 28. 62	29. 64 35. 14 26. 56 16. 45 27. 49 30. 79 24. 99 17. 97 20. 85 (1) 29. 09 26. 23 22. 33 26. 80 27. 52 27. 80 27. 14 28. 43 22. 40 44. 90 43. 23. 23 26. 78
Total	218	865	5. 6	51. 2	51. 3	100. 2	. 540	27. 65	27. 67
Crane operators, female: Connecticut Pennsylvania	1	(1) (1)	(1)	(1)	(i) (i)	(1) (1)	(1) (1)	(1) (1)	(1) (1)
Total	2	4	5. 5	51.3	48.7	94. 9	. 431	22. 11	21. 01

¹Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Num	ber of—		verage		Per	Avers	ige earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full-time hours actually worked	Per hour	Full- time, per week	Made in one week
Drill-press hands and operators, male:									
Alabama	2	26	5. 5	54.9	50.8	92. 5	\$0.406	\$22. 29	\$20.63
California.	18	115	5.9	45. 5	46. 2	101. 5	.670	30.49	30.94
Connecticut	17	155	5.7	51. 2	50.0	97.7	. 607	31.08	30.34
Georgia	3	12	5. 2	52. 3	46.9	89.7	. 368	19. 25	17. 27
Illinois Indiana Iowa	34 14	733 168	5.6	48. 7 51. 0	46. 5	95. 5 96. 5	. 687	33. 46 27. 59	31. 92 26. 65
Towo	7	78	5. 5 5. 8	53. 3	49. 2 55. 3	103.8	.487	25. 96	26. 65 26. 92
Kansas	6	15	5. 9	51.7	52.7	101.9	. 436	22. 54	22. 97
Kentucky	7	21	5.2	46.3	40.3	87.0	.493	22. 83	19.85
Louisiana	2	5	6. 2	59.6	56.7	95.1	. 352	20.98	19. 95
Maine Maryland Massachusetts	2	22	5.4	48. 1	44. 2	91.9	. 550	26, 46	24. 32
Maryland	5	51	5.6	48.6	45.7	94.0	. 550	26.73	25. 16
Massachusetts	37	349	5.7	49. 3	47. 9	97. 2	. 626	30, 86	30.03
Michigan Minnesota	29	327	5.3	51. 2	47.3	92.4	. 577	29. 54	27, 29
Minnesota	5 17	35 89	5.6	50. 2 51. 6	46. 8 46. 2	93. 2 89. 5	. 694	34, 84 26, 57	32. 43 23. 81
Missouri New Hampshire	17	22	5. 5 5. 8	48.9	50. 5	103.3	. 515 . 647	31.64	32. 68
New Tersey	28	205	5.7	49.6	48.6	98.0	. 640	31. 74	31.09
New Jersey New York	23	413	5.4	48.7	46.8	96.1	. 638	31. 07	29.85
Ohio	79	755	5.5	50. 5	47. 2	93.5	. 587	29.64	27, 71
Oregon	6	18	5.4	45.3	42. 1	92.9	. 634	28.72	26.73
Pennsylvania	43	682	5. 3	51. 2	47.0	91.8	. 578	29. 59	27. 13
Rhode Island	12	109	5. 1	50.4	44.9	89, 1	. 573	28.88	25.73
Tennessee	4	26	5. 5	48.5	45.0	92.8	. 468	22.70	21.05
Texas	6 5	29 24	5.8	48.6	46.6	95, 9 91, 8	. 504	24. 49 33. 16	23. 49 30. 46
Washington Wisconsin	15	275	5. 5 5. 4	47.3 53.1	43. 4 50. 1	91.8	. 701	31, 65	29.86
Total	433	4, 759	5.5	50. 1	47. 5	94. 8	. 605	30. 31	28. 71
Drill-press hands and operators,					47.0		. 000	00.01	20.71
female:					l				
Indiana	1	(1)	(1) (1) 5. 4	(1)	(1)	(1)	(1) (1)	(1)	(1)
Kentucky Massachusetts	1 3	(1) 7	(1)	48.0	43.4	90.4	. 435	20. 88	18.88
Michigan	8	37	5. 2	50.1	43. 5	86.8	. 560	28.06	24.35
Missachusetts Michigan New Hampshire New Jersey New York	ì	(1)	(1). 2	(1)	(1)	(1)	(1)	(1)	(1)
New Jersey	i i	(1) (1)	(1) (1) (5.8	(1)	(1) 47.1	(1) (1)	(1) (1)	(1)	(1) (1)
New York	2	13	6.8	48.6	47.1	96.9	. 437	21. 24	20.56
Onio	. 2	4	5.0	49. 2	42.4	86.2	. 421	20.71	17.87
Pennsylvania	2 1	14	5.9	48.0	46.6	97. 1	.467	22, 42	21.75
Rhode Island		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Total	22	121	5.3	49. 4	43. 8	88.7	. 448	22. 13	19.66
Fitters and bench hands, male:	_								
Alabama	.2	12	5.8	54.6	53.8	98. 5	. 593	32.38	31. 92
California	17 11	197	6.0	45. 3 50. 9	48.2	106. 4 98. 4	. 796	36.06	38. 38
Connecticut	2	277 19	5. 8 5. 2	59.7	50.1 49.1	82. 2	. 651 . 267	33. 14 15. 94	32. 61 13. 09
Georgia Illinois	24	562	5.7	49.3	47.5	96.3	. 721	35. 55	34. 26
Indiana	10	131	5.7	48.8	47.5	97. 3	. 638	31.13	30. 32
Iowa	4	38	5.7	52. 9	52.7	99.6	. 422	22. 32	22, 21
Kansas	4	12	6.0	54. 2	55.2	101.8	. 496	26.88	27.40
Kentucky	5	29	5. 7	47. 5	44.3	93.3	. 580	27. 55	25. 69
Willing	2	(1)	5.7	44.8	42.5	94.9	. 502	22, 49	21. 36
Maine Maryland Massachusetts	35	1, 100	(1) 5. 7	(1) 47. 4	(1) 48. 2	101.7	.660	31. 28	(1) 31. 80
	25	489	5. 5	50. 7	48. 3	95. 3	.651	33. 01	31. 44
Minnesota	5	12	5.8	49.5	49.1	99. 2	.668	33.07	32. 83
Missouri	10	64	5. 8 5. 7	53. 3	50. 3	94. 4	. 545	29, 05	27. 41
New Hampshire	5	72	5.7	48. 2	51. 2	106, 2	. 723	34 . 85	37.01
Minnesota Missouri New Hampshire New Jersey New York	25	378	5.6	49. 3	47.2	95.7	. 641	31.60	30, 21
New York	20 62	922	5.7	48.4	48. 4	100.0	.716	34. 65	34.64
OHIO	02	856	5.6	50.0	47. 1	94. 2	.650	32, 50	30.63

¹Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numb	er of—	Α	verage-	_	Per	Avera	ige earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Fitters and bench hands, male— Continued. Oregon Pennsylvania. Rhode Island Tennessee Texas.	3 33 6 3 2 3	8 952 114 20 6 31	4.8 5.5 5.5 5.5 5.7	44. 5 51. 7 50. 4 49. 0 53. 0 47. 5	35. 4 48. 6 46. 7 44. 7 49. 3	79. 6 94. 0 92. 7 91. 2 93. 0 94. 9	\$0.708 .633 .595 .511 .522 .775	\$31. 51 32. 73 29. 99 25. 04 27. 67 36. 81	\$25. 08 30. 75 27. 78 22. 81 25. 75
Washington	13	293	5.7	52. 6	45. 1 49. 7	94. 5	. 635	33. 40	35. 01 31. 58
Total	332	6, 661	5.7	49. 5	48. 1	97. 2	. 662	32. 77	31. 85
Fitters and bench hands, female: Illinois Massachusetts Michigan New Jersey New York Pennsylvania Rhode Island	2 1 8 2 2 3 2	8 (i) 99 11 157 33 30	5. 6 (1) 5. 5 6. 0 5. 8 5. 6 5. 9	50. 9 (1) 50. 0 50. 0 48. 0 48. 1 51. 4	48. 0 (1) 46. 0 49. 4 46. 5 45. 6 50. 5	94. 3 (1) 92. 0 98. 8 96. 9 94. 8 98. 2	.488 (¹) .487 .393 .367 .400 .391	24. 84 (1) 24. 35 19. 65 17. 62 19. 24 20. 10	23. 41 (1) 22. 41 19. 42 17. 05 18. 28 19. 74
Total	20	341	5. 7	49. 0	46. 8	95. 5	. 411	20. 14	19. 21
Grinding-machine hands and operators, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	11 5 2 3 1 2 2 34 21 2 10 3 15 15 61	(1) 47 122 5 412 93 38 3 4 (1) 8 17 185 173 14 227 13 84 185 390 (1) 217 129 (2) (1) 8 98	(1) 5. 4 5. 6 5. 6 5. 6 5. 6 5. 6 5. 0 (1) 5. 3 5. 8 5. 8 5. 8 5. 8 5. 8 5. 8 5. 8 5. 8	(1) 50. 8 51. 4 51. 0 49. 5 50. 4 53. 2 49. 8 47. 0 (1) 50. 0 52. 5 49. 9 53. 1 48. 3 49. 0 48. 3 50. 1 (1) 50. 0 50. 3 (1) 50. 3	(1) 44. 8 49. 3 50. 6 48. 7 51. 4 52. 5 55. 1 38. 0 (1) 46. 1 47. 2 48. 9 46. 3 47. 1 47. 6 47. 7 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	(1) 88. 2 95. 9 99. 2 98. 4 102. 0 98. 7 110. 6 80. 9 (1) 92. 2 89. 9 98. 4 91. 1 94. 4 86. 6 99. 0 92. 0 98. 6 99. 0 92. 2 98. 6 99. 0 92. 0 93. 8 (1) 93. 2 94. 8 (1) 95. 2 96. 3 (1) 97. 3	(1) .779 .628 .434 .735 .632 .543 .656 .509 (1) .668 .735 .651 .658 .701 .649 .662 .711 .629 (1) .698 .711 .629 (1) .786 .644	(1) 39. 57 32. 28 22. 13 36. 38 31. 85 28. 89 32. 67 23. 92 (1) 40 38. 59 32. 35 33. 43 34. 98 30. 27 31. 35 32. 44 34. 34 31. 51 (1) (1) (1) (2) (1) (1) (1) (1) (1) (2) (3) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	(1) 34. 87 30. 97 21. 93 35. 77 32. 51 28. 50 36. 14 19. 34 (1) 734. 66 31. 82 30. 50 31. 96 29. 82 29. 54 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Grinding-machine hands and	298	2, 280	0.0	50. 1	41.9	00.0	.008	50. 47	31, 9
operators, female: Michigan New Jersey New York Ohio Pennsylvania	1 1 1 1 1	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)	(1) (1) (1) (1) (1)
Total	5	15	5, 3	48.6	43. 1	88. 7	. 444	21.58	19.1

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numl	per of—		verage		Per	Aver	age earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full-time hours actually worked	Per hour	Full- time, per week	Made in on week
aborers, male:									
Alabama	6	53	5. 2	54.5	474	87.0	\$0.304	\$16, 57	\$14. 3
California	21 16	194 202	5. 5	45. 9 50. 9	44.7	97. 4 99. 4	. 535	24. 56 23. 97	23. 9 23. 8
Connecticut Georgia	8	71	5. 7 5. 5	53.5	50. 0	93. 6	. 226	12.09	11.3
Illinois	32	1,009	5. 7	49. 9	48.6	97. 4	. 498	24.85	24. 9
Indiana	15	319	5. 6	51. 2	51.7	101.0	. 437	22. 37	22. 8
Iowa	9	75	5. 6 5. 8	53, 5	55. 0	102.8	. 395	21.13	21.7
Kansas	5	2 6	5. 3	53, 6	48.6	90.7	. 362	19.40	17. 6
Kentucky Louisiana	5	25	5. 5	46.1	44.3	96. 1	. 406	18. 72	17. 9
Louisiana	4	40	5. 2	54.9	46.7	85.1	. 329	18.06	15. 3
Maine Maryland	4 6	33 58	5. 3 5. 5 5. 7	48.4 49.6	43. 9 48. 0	90. 7 96. 8	. 419 . 430	20. 28 21. 33	18. 3 20. 6
Massachusetts	36	841	5.7	49.7	48.6	97.8	. 459	22.81	22.
Massachusetts Michigan	32	672	5. 5	51.3	48.6	94.7	. 490	25. 14	23. 8
Minnesota Missouri	5	103	5. 1	49.8	43. 3	86. 9	. 447	22. 26	19.
Missouri	16	158	5. 5	52. 2	47, 3	90, 6	. 409	21. 35	19.1
New Hampshire New Jersey	8	43	5. 9	50.3	50. 5	100.4	. 469	28. 59	23. 23.
New Jersey	29	373	5. 6	49.8	50.4	101. 2 99. 2	.471	23.46	
New York Ohio	23	871 1, 225	5. 6 5. 6	48.6	48. 2 48. 7	96. 2	. 460 . 453	22. 36 22. 92	22. 22.
Oregon	80	1, 223	5.6	50.6 46.2	42.7	92.4	. 490	22. 64	20.
Oregon Pennsylvania	44	1, 182	5.5	51.6	48.5	94. 0	. 444	22. 91	21.
Rhode Island	12	121	5. 5 5. 5	£1.0	48.7	95. 5	. 443	22. 59	21.
Tennessee	8	81	5. 6	49. 3	46. 2	93.7	. 316	15. 58	14.
Texas Washington	12	157	5.6	50.4	47. 7	94.6	. 349	17. 59	16.
Washington	6	38	5. 1	47. 5	41.0	86.3	. 485	23.04	19.
Wisconsin	14	351	5. 5	52, 3	49.6	94. 8	. 471	24.63	23. 3
Total	459	8, 342	5. 6	50.4	48.6	96.4	. 456	22.98	22. 1
athe hands and operators, en-									
gine, male:						00.0	040	00.45	
Alabama California	2 16	22 219	5.5	54.6	49.6	90. 8 99. 8	. 668 . 848	36. 47 38. 58	33.
California Connecticut	19	232	5.8 5.7	45, 5 51, 1	45. 4 49. 8	97. 5	. 678	34. 65	38. 33.
Georgia	4	17	5. 9	13.7	8 5. 5	103.4	. 547	29. 37	30.
Illinois	33	865	5.7	49.9	48. 1	96.4	. 767	38, 27	36.
Indiana.	10	183	5.6	49.7	48.1	96.8	. 643	31, 96	30.
Iowa Kansas	7	48	5. 8 5. 7	52.4	53. 9	102. 9	. 585	30.65	31.
Kansas	7	40	5. 7	50.3	50.3	100.0 91.0	. 659	33. 15	33.
Kentucky Louisiana	7 3	46 19	5. 5 5. 8	47. 7 56. 7	43, 4 52, 2	92.1	. 612 . 630	29. 19 35. 72	26. 32.
Maine	3	56	5.4	47. 4	44.1	93. 0	. 604	28. 63	26.
Maryland	4	31	5. 3	48.3	43.1	89.2	. 586	28. 30	25.
Maine Maryland Massachusetts	36	648	5. 7	49. 2	47. 1 47. 8	95.7	. 638	31, 39	30.
Michigan	21	278	5.4	51.5	47.8	92,8	. 643	33. 11	30.
Minnesota	5	53	5. 5	51.4	47. 7	92.8	. 647	33. 2 6	30.
Missouri	16	159	5. 7	51.0	48.4	94. 9	. 657	33. 51	31.
New Hampshire New Jersey New York	6	$\frac{54}{252}$	5. 7	50.6	49.3	97. 4 94. 5	. 641	32. 43	31.
Now York	26 22	438	5. 5 5. 5	49. 5 49. 2	46. 8 48. 7	99.0	. 723 . 724	35. 79 35. 62	33. 35.
Ohio	80	1, 014	5.5	50.7	48.0	94.7	. 694	35. 19	33.
Oregon	5	26	5. 6	45. 4	43. 2	95. 2	. 772	35.05	33.
Pennsylvania	44	727	5. 5	51.4	48. 2	9 3.8 i	. 687	35. 31	33.
Rhode Island	11	125	5. 4	50.4	46.7	92.7	. 607	30. 59	28.
Tennessee	3 1	40	5. 9	48.8	47.6	97. 5	. 608	29. 67	28.
Texas	6	66	5.8	49.3	47. 3	95. 9	. 679	33. 47	32.
Washington	4	40	5.4	47. 1	44.3	94.1	.779	36. 69	34.
Wisconsin	14	266	5. 5	£3. 5	51.1	95. 5	. 695	37. 18	35.
Total	414	5, 964	5. 6	50.2	48.0	95, 6	. 695	34. 89	33.
athe hands and operators, en-									
gine, female:	. 1						40	//	(1)
Massachusatte	1 1								
MassachusettsOhio	1	(J) (1)	(1)	(1) (1)	(2)	(1) (1)	(1) (1)	(1) (1)	(1) (1)

¹ Included in total.

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MACHINE SHOPS—Continued

	Numi	er of—	A	verage-	_	Per	Avera	ige carn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Lathe hands and operators, tur-									
ret, male:									1
Alabama	.1	(1) 96	(1) 5. 7	(1)	(1)	(1) 98. 3	(1)	(1)	(1) \$36. 39
California Connecticut	15 16	96	5. 7 5. 9	45.8 51.4	45. 0 49. 4	98. 3 96. 1	\$0.809 .705	\$37.05 36.24	\$36.38
Georgia	3	6	5. 5	56.7	50.3	88.7	.448	25. 40	34. 80 22. 54
Georgia Illinois	23	432	5. 7	49.3	47.6	96. 6	. 720	35. 50	34. 28
indiana	6	80	5.3	51.9	45.9	88.4	. 608	31.56	27, 95
Iowa	5	38	5.8	53. 7	55.8	103.9	. 542	29.11	30, 28
Kansas Kentucky	2	5	6.0	55. 2	58. 5	106.0	. 631	34.83	36. 92
Kentucky	6 2	42	4. 5 6. 0	47. 2 59. 0	36. 0 56. 0	76. 3 94. 9	. 486	22. 94	17. 50
Louisiana Maine Maryland Massachusetts	2	16	5.5	48.5	46.0	94. 8	.563	31. 15 27. 31	29. 58 25. 90
Maryland	3	11	5.0	48.5	40.7	83. 9	.717	34. 77	29. 17
Massachusetts	30	254	5. 8	49.1	47.5	96. 7	. 670	32, 90	31. 83
		383	5.4	50.6	46.7	92. 3	. 674	34. 10	31.45
Minnesota Missouri New Hampshire New Jersey New York Ohio	3	9	5.4	49.5	46.8	94. 5	. 601	29. 75	28. 12
M issouri	11	40	5.4	51.6	46.6	90.3	. 562	29.00	26. 17
New Hampshire	7 25	23 134	5. 9 5. 5	49. 1 49. 5	52. 0 46. 4	105. 9 93. 7	. 641	31. 47	33. 35
New York	20	230	5.4	49. 2	46.4	94. 3	. 713	35. 29 33. 51	33. 07 31. 60
Ohio	60	448	5.5	50. 4	46.8	92. 9	.652	32, 86	30. 50
Oregon	3	9	5.6	45.8	42.3	92.4	. 728	33. 34	30. 78
Pennsylvania Rhode Island Tennessee	40	569	5.3	50.1	45.3	90.4	. 672	33, 67	30.49
Rhode Island	11	33	5. 4 6. 0	50.7	46.7	92.1	. 599	30. 37	27.90
Tennessee	3 6	10 41	5.8	48. 4 48. 6	48. 0 46. 6	99. 2 95. 9	. 562	27. 20 31. 49	26, 93 30, 17
Washington	4	21	5.4	47. 3	43.4	91.8	.796	37. 65	34. 54
Texas Washington Wisconsin	11	137	5. 4	53. 0	48.5	91. 5	. 676	35. 83	32. 76
Total	343	3, 167	5. 5	50.0	46. 7	93.4	. 675	33. 75	31. 51
Lathe hands and operators, tur-		<u> </u>		\ 					
ret, female:							l		
Massachusetts	1 6	(1) 36	(1) 4.5	50.0	(1)	79.4	(1)	(1)	(1)
Michigan New Jersey	1	(1)	(1)	(1)	(1)	(1)	. 553	27. 65	21. 94
Total	8	46	4.7	50.0	40. 5	81. 0	. 549	27. 45	22. 2
Machinists, male:	- 0	40	4. /	30.0	40. 5	61.0	. 349	27.40	22. 2
Alahama	5	45	5.8	52. 3	51.8	99.0	. 708	37. 03	36, 6
California	24	239	5.8	45. 2	44. 2	97.8	.844	38. 15	37. 2
California Connecticut Georgia	13	198	5.9	50.7	53.8	106.1	. 739	37. 47	39. 7
Georgia	8	67	5, 5	54.7	46.9	85.7	. 677	37.03	31.73
Illinois	28	356	5. 7	48. 5	48.3	99.6	. 794	38. 51	38. 3
Indiana Iowa	12	147 40	5. 4	51.7	47.6	92. 1	. 650	33.61	30. 9
Kanege	8 5	28	5. 9 5. 4	51. 0 52. 7	51. 8 52. 1	101. 6 98. 9	.618	31. 52 36. 26	32. 0 35. 8
Kansas Kentucky	5	24	5. 5	52.7 47.7	44.1	92. 5	.675	32. 20	29. 7
Louisiana	1 5	58	5. 0	45.1	39.8	88. 2	.866	39. 06	34. 5
Maine Maryland Massachusetts	4	41	5.7	49.7	48.6	97.8	. 620	30.81	30. 1
Maryland	7	186	5.8	47.9	47.1	98.3	. 686	30. 25	32. 2
Massachusetts	27	410	5.4	47.5	44.5	93.7	. 702	33. 35	31. 2
Michigan	25 6	234 27	5.6	52. 0 49. 7	49.8	95. 8 96. 0	.736	38. 27 32. 80	36.6
Minnesota	13	123	5.8 5.7	48.6	47. 7 46. 7	96. 0	. 660	36, 21	31. 4° 34. 7°
New Hampshire	8	117	5.9	51.5	52.6	102.1	.679	34. 97	35. 7
Missouri New Hampshire New Jersey New York	31	185	5. 1	49.7	43.3	87.1	.766	38. 07	33. 1
New York	19	150	5.7	49.6	49.5	99.8	. 743	36.85	36.7
Onio	1 56	278	5.6	50.6	47.6	94.1	.678	34.31	32.3
Oregon	6	27	5.8	47.1	45.2	96.0	. 833	39. 23	37.6
Pennsylvania	31	296	5.6	50. 7 50. 2	49.5	97.6	. 734	37. 21	36.3
Rhode Island Tennessee	13	168 79	5. 7 5. 6	49.8	47. 5 46. 1	94.6 92.6	. 593	29.77	28. 1 35. 1
Texas	9	73	4.8	48.9	42.3	86. 5	. 830	40. 59	35. 1
Washington Wisconsin	7	61	5.5	45.6	41.8	91.7	.788	35.93	32. 9
Wisconsin	12	137	5.8	51.8	53. 9	104.1	. 733	37. 97	39. 4
(1500H5H1	1								

Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

						-			
	Num	ber of—	-	Average		Per	Aver	age earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Machinists' and tool makers' helpers, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Misouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	4 17 6 5 8 2 2 3 6 12 11 11 11 23 24 5 26 9 9	14 94 162 7 146 222 11 566 4 24 24 24 253 777 (1) 28 (2) (3) 73 96 209 14 159 71 15 41 15 15 15 15 15 15 15 15 15 1	5.59 6.00 5.15 5.38 5.88 5.88 5.88 5.69 5.57 5.56 5.76 5.57 5.66 5.75 5.66 5.75 5.66 5.75 5.66	53. 2 45. 7 51. 0 52. 7 48. 0 51. 5 52. 1 51. 9 44. 0 48. 1 49. 2 49. 4 (1) 51. 1 (1) 50. 2 51. 4 50. 1 40. 5 48. 6 51. 4 50. 1 50. 2 50. 2 50. 2 60. 5 60. 5 60. 6 60. 60. 60. 60. 60. 60. 60. 60. 60. 60.	49.8 46.3 57.7 45.9 46.17 52.3 34.8 33.3 47.8 46.1 (1) 48.0 46.4 (1) 47.7 48.6 49.2 43.4 49.1 48.3 39.0 6.3 39.0 6.5 1.8	93. 6 101. 3 113. 1 86. 0 95. 6 89. 5 99. 2 100. 8 74. 0 75. 7 99. 6 95. 8 97. 6 93. 9 (1) 94. 1 (1) 96. 8 96. 1 97. 6 97. 6 98. 5 97. 6 98. 5 97. 6 98. 5	\$0. 332 .608 .499 .292 .491 .400 .433 .448 .523 .449 .465 .518 .516 (1) .563 .527 .501 .611 .612 .449 .334 .523 .512 .513 .514 .516 .516 .516 .517 .517 .518 .518 .518 .519	\$17. 66 27. 79 25. 45 15. 39 27. 94 25. 29 20. 84 22. 47 22. 00 23. 01 21. 55 22. 37 25. 49 (1) 27. 87 (1) 27. 87 26. 46 28. 47 26. 32 22. 49 16. 53 25. 49 22. 79 26. 46 27. 26. 46 28. 47 28. 47 29. 42 20. 40 21. 55 21. 55 22. 37 21. 55 22. 37 22. 49 22. 79 22. 79 26. 46 25. 65 28. 47 26. 32 27. 26. 42 28. 47 26. 19	\$16. 51 28. 15 28. 77 13. 22 26. 71 22. 60 20. 68 22. 67 16. 28 17. 45 21. 47 21. 46 24. 86 24. 86 23. 94 (1) 26. 82 25. 60 24. 68 26. 55 25. 15 21. 27 20. 28 27. 52 25. 81
Total	269	1,671	5.6	50, 1	48.9	97.6	. 510	25. 55	24.96
Milling-machine hands and operators, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	1 15 13 3 1 5 2 3 3 3 3 3 22 2 7 21 19 9 9 2 2 3 15 15 15 15 15 15 15 15 15 15 15 15 15	6 57 147 (1) 375 571 23 (1) 22 18 13 343 124 13 36 (1) 536 (1) 536 (1) 8 4 10 117	5.8 5.9 5.7 5.7 5.7 5.7 6.0 6.4 9.5 5.4 5.6 6.0 6.0 6.0 6.5	54. 8 45. 4 51. 5 (1) 49. 3 51. 3 51. 7 (1) 47. 5 59. 0 48. 7 48. 2 47. 9 50. 9 50. 9 50. 1 52. 3 48. 2 48. 2 50. 0 (1) 50. 5 49. 3 50. 5 6 6 6 7 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	52. 7 46. 4 49. 7 (1) 57. 0 (1) 44. 5 51. 0 (1) 44. 5 542. 7 50. 1 45. 5 50. 1 45. 5 50. 1 46. 5 47. 9 (1) 46. 5 48. 8 47. 2 46. 5 51. 0 46. 5	96. 2 102. 2 96. 5 (1) 98. 4 99. 4 106. 1 (1) 93. 7 83. 6 95. 5 88. 6 95. 0 98. 4 91. 2 97. 7 99. 2 97. 9 99. 2 97. 9 99. 2 97. 7	. 667 . 836 . 638 (1) . 761 . 611 . 519 (1) . 589 . 622 . 575 . 707 . 676 . 631 . 730 . 730 . 730 . 730 . 651 . (1) . 682 . 692 . 692 . 692 . 692 . 693 . 69	36, 55 37, 95 32, 86 (1) 37, 52 31, 34 27, 87 (1) 27, 98 36, 70 28, 00 34, 08 32, 38 32, 12 33, 43 33, 16 35, 92 35, 43 32, 60 (1) 34, 60 (1) 34, 60 (1) 34, 60 (1) 34, 60 (1) 35, 60 (1) 36, 70 (1) 37, 50 (1) 38, 60 (1) 38, 60 (1) 39, 60 (1) 30, 60 (1) 30, 60 (1) 31, 60 (1) 32, 60 (1) 32, 60 (1) 33, 60 (1) 34, 60 (1) 35, 40 (1) 36, 70 (1) 36, 70 (1) 37, 80 (1) 37, 80 (1) 38, 80 (1) 38, 80 (1) 38, 80 (1) 39, 80 (1) 30, 80 (1) 30 (1) 30, 80 30 (1) 30 30 30 30 30 30 30 30 30 30 30 30 30	35. 13 38. 75 31. 73 (1) 36. 87 31. 20 29. 61 (1) 26. 23 30. 55 26. 77 30. 21 30. 79 31. 59 32. 30 30. 84 33. 100 34. 68 34. 68 34. 68 34. 68 34. 68 35. 60 28. 39 26. 29 37. 29 37. 29 37. 29 37. 29
Total	343	2, 872	5. 6	49. 7	47.8	96. 2	. 685	34. 04	32.76

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numl	oer of—	A	verage		Per	Avera	age earn	ings
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Milling-machine hands and op- oerators, female: Michigan New York Rhode Island	1 1 1	(1) (1)	(1) (1)	(1) (1)	· (1)	(i)	(1) (1) (1)	(1) (1) (1)	000
Total	3	17	5. 8	48.8	46.8	95. 9	\$0.489	\$23.86	\$22.8
Packers and craters, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington	1 10 14 2 21 7 4 1 1 1 3 3 31 27 1 8 8 4	(1) 263 143 144 2655 153 13 (1) (1) (1) (2) 12 125 (2) 133 122 76 231 264 (1) 192 40 (1) 155 175 175 175 175 175 175 175	(1) 5.57 5.66 5.68 5.8 (2) (1) (1) 5.55 5.8 (1) 5.00 5.00 5.00 5.00 5.00 5.00 5.00 5.0	(1) 45.3 2 57.9 49.3 50.5 52.3 (1) (1) 47.0 48.2 49.7 51.0 50.1 149.9 (1) 51.0 51.0 61.0 47.9 52.4	(1) 45.8 49.9 54.0 48.8 54.7 53.7 (1) 46.1 46.2 48.6 49.8 (1) 50.9 49.7 51.7 47.5 47.4 (2) 50.0 (1) 50.0 (1) 50.7 44.8 64.8	(1) 101. 1 99. 4 93. 3 99. 0 108. 3 102. 7 (1) 99. 6 (1) 99. 6 (1) 99. 6 (1) 101. 4 103. 2 96. 7 (2) 98. 0 (1) 99. 4 99. 4 99. 4	(1) .625 .523 .237 .509 .492 (1) (1) .521 .543 (1) .543 (1) .543 (1) .543 (1) .534 .521 (1) .534 .521 (1) .534 .537 .534 .521 (1) .534 .537 .534	(1) 26. 25 13. 72 28. 94 25. 70 25. 73 (1) (2) 24. 53 22. 94 27. 19 27. 08 (2) 25. 45 26. 61 128. 26 25. 88 27. 10 (1) 20. 25 25. 73 (2) 25. 45 26. 57 (1) 27. 23 26. 57 (2) 26. 57 (2) 27. 28 28. 26 28. 26 29. 26 26 26 26 26 26 26 26 26 26 26 26 26 2	(1) 28.6. 27. 12. 28. 6. 4. (1) (1) (24. 6. 4. 22. 6. 4. 22. 26. 5. 26. 5. (1) (25. 5. 6. 6. 26. (1) (25. 5. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (1) (25. 6. 6. 26. (1) (25. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 26. (1) (25. 6. 6. 6. (1) (25. 6. 6. 6. (1) (25. 6. 6. 6. (1) (25. 6. 6. 6. (1) (25. 6. 6. 6. 6. (1) (25. 6. 6. 6. 6. (1) (25. 6. 6. 6. 6. 6. (1) (25. 6. 6. 6. 6. 6. (1) (25. 6. 6. 6. 6. 6. 6. 6. (1) (25. 6. 6. 6. 6. 6. 6. 6. 6. (1) (25. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6. 6.
Total Packers and craters, female: Massachusetts. Michigan New York Ohio Total	288 1 3 1 2 7	(1) (22 (1) 18 44	5. 7 (1) 5. 8 (1) 5. 2 5. 6	50. 1 (1) 50. 1 (1) 49. 5 49. 5	(1) 47. 9 (1) 40. 5 44. 6	98. 0 (1) 95. 6 (1) 81. 8 90. 1	(1) . 445 (1) . 329 . 389	(1) 22, 29 (1) 16, 29 19, 26	(1) 21. (1) 13.
Pattern makers, male: California Connecticut Georgia. Illinois Indiana Kentucky Louisiana Maine Maryland Massachusetts Michigan Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington. Wisconsin	11 12 3 25 7 3 3 16 7 7 5 17 11 43 3 29 10 3	44 96 9 149 17 4 5 57 11 15 7 77 77 140 57 57 7 7 7 7 11 191 7 204 57	5.88 5.88 5.88 6.00 6.1)87 5.58 5.00 5.57 6.07 5.50 6.07 6.07 6.08 6.08 6.00 6.00 6.00 6.00 6.00 6.00	45. 1 50. 2 53. 5 49. 8 49. 9 48. 5 49. 6 (1) 49. 8 50. 5 52. 7 50. 9 44. 7 50. 5 45. 1 51. 7 50. 3 49. 6 47. 8	43. 7 49. 8 52. 6 48. 2 48. 1 49. 6 (1) 48. 1 49. 8 47. 5 50. 3 47. 8 50. 8 49. 8 49. 8 50. 8 49. 8 50. 8 50	96. 9 99. 2 98. 3 96. 8 99. 2 100. 0 (1) 97. 8 98. 6 90. 1 98. 8 101. 6 96. 9 101. 7 100. 6 96. 9	991 818 771 906 735 701 892 (1) 798 776 839 920 930 967 791 766 755 846 954	44. 69 41. 06 41. 25 45. 12 36. 68 34. 00 44. 24 39. 26 38. 64 42. 37 43. 00 37. 00 44. 12 41. 12 41. 12 43. 61 40. 89 38. 53 36. 47 41. 96 45. 60 39. 56	43.: 40.: 43.: 43.: 43.: 35.: 33.: 44.: 41.: 38.: 36.: 44.: 47.: 40.: 44.: 39.: 38.: 47.: 41.: 41.: 41.: 42.: 42.: 43.: 44.: 43.: 43.: 43.: 43.: 43.: 43

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Num	ber of—	A	verage		Per	Avera	age earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- be r of days worked in one week	Full- time hours per week	Hours ac tua lly worked in one week	cent of full-	Per hour	Full- time, per week	Made in one week
Planer hands and operators, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	2 14 17 2 23 9 4 6 6 4 1 1 2 31 1 1 2 31 1 1 2 3 1 1 2 3 1 1 2 3 3 1 2 3 1 1 1 1	6 41 148 10 135 34 6 6 13 (1) 12 8 177 46 9 48 12 71 174 462 4 254 36 6 6 3 3 7	5.37 5.88 4.16.5.5.88 5.85 5.85 5.85 5.86 5.88 5.85 5.86 6.66 6.44 5.55 6.09 5.48 5.55 5.60 6.55 5.60 6.55 5.60 6.55 5.60 6.55 5.60 6.55 5.60 6.60 6	54. 3 46. 0 51. 0 55. 5 49. 1 49. 8 51. 3 52. 6 46. 9 (1) 48. 0 49. 0 48. 8 51. 0 50. 1 50. 1 50. 3 49. 5 51. 0 52. 5 52. 5 52. 5 49. 2 49. 0 49. 0 49. 0 49. 0 49. 5 51. 0 52. 5 52. 5 52. 5 52. 6 54. 0 49. 0 49. 0 49. 0 49. 5 50. 1 50. 1 50	50. 3 44. 7 53. 3 6. 6 46. 9 46. 7 56. 8 51. 9 42. 6 (1) 42. 1 44. 3 48. 4 47. 8 49. 2 44. 9 47. 8 48. 4 49. 2 47. 4 49. 9 47. 8 47. 4 49. 9	92. 6 97. 2 104. 5 65. 9 95. 5 93. 8 110. 7 90. 8 (1) 99. 2 93. 7 99. 2 99. 7 89. 3 98. 0 97. 8 99. 2 99. 5 99. 9 99. 9 99. 9	\$0. 747 819 .723 .453 .862 .654 .550 .688 (1) .613 .613 .703 .726 .613 .773 .740 .779 .770 .636 .667 .636 .677 .636	\$40. 56 37. 67 36. 87 25. 14 42. 32 32. 77 33. 55 28. 93 32. 27 (1) 29. 42 30. 28 34. 31 35. 04 31. 81 36. 74 30. 83 38. 16 38. 26 40. 43 32. 05 32. 68 32. 39 33. 20 36. 84	\$37. 62 36. 60 38. 57 16. 59 40. 44 30. 69 37. 14 28. 53 29. 30 (1) 32. 79 31. 21 34. 02 26. 88 37. 40 36. 42 36. 42 37. 42 38. 44 29. 42 38. 42 38. 43 38. 44 29. 43 38. 44 29. 42 38. 43 38. 44 29. 43 38. 44 29. 43 38. 44 38. 44 38. 44 38. 44 38. 44 38. 44 38. 45 38. 44 38. 45 38. 46 38.
Total	339	1,818	5. 6	50. 5	48.8	96. 6	.742	37, 47	36. 20
Screw-machine hands and operators, male: Alabama California Connecticut Illinois Indiana Iowa Kansas Kentucky Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Pennsylvania Rhode Island Wisconsin Total	2 3 3 9 18 4 4 2 1 1 26 15 1 1 4 2 12 14 4 9 2 11 11 11 11 11 11 11 11 11 11 11 11 1	4 7 69 116 11 16 (1) 8 4 (1) 115 68 (1) 7 7 30 170 170 170 170 170 170 170 170 170 17	6. 0 3 4 5. 6 5. 5 8 6 5. 5 8 6 6 5. 5 8 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	54. 8 46. 9 51. 9 48. 7 50. 9 56. 0 (1) 49. 5 50. 3 (1) 51. 6 48. 0 50. 0 49. 4 50. 3 52. 5	54. 5 44. 7 44. 9 45. 9 47. 6 58. 3 (1) 47. 8 48. 0 (1) 50. 2 52. 0 48. 5 45. 8 48. 1 43. 1 49. 1	99. 5 95. 3 86. 5 94. 3 93. 5 104. 1 (1) 83. 3 100. 0 (1) 97. 3 107. 7 97. 4 96. 2 87. 9 85. 7 93. 5	. 595 . 700 . 686 . 740 . 591 . 503 (1) . 461 . 562 (1) . 473 . 731 (1) . 495 . 679 . 700 . 661 . 573 . 617	32. 61 32. 83 35. 60 36. 04 30. 08 28. 17 (1) 21. 48 28. 10 (1) 33. 31 36. 77 (1) 25. 54 32. 80 32. 87 33. 05 31. 81 28. 82 32. 39	32, 43 31, 30 30, 82 28, 10 29, 31 (1) 17, 87 28, 10 (2) 32, 16 35, 05 (1) 24, 85 35, 35 31, 99 32, 04 31, 77 27, 98 24, 68 30, 33 30, 89
Screw-machine hands and opera- tors, female: Michigan	1 !	(1)	(i)	(1)	<u>(1)</u>	(!)	(1)	(1)	8
Ohio Pennsylvania	1 1	(1) (1)	(1) (1) (1)	(1) (1) (1)	(1) (1)	(1) (1)	(1) (1) (1)	(1)	(1)
Total	3	10	5. 7	48. 7	44. 9	92. 2	. 435	21. 18	19. 53

¹ Included in total.

	Numb	oer of—	A	verage-	-	Per	Avera	ge ea r n:	ings
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Sheet-metal machine hands and operators, male: Connecticut	3 4 2 5 6 21 1 19 3	133 2 153 688 188 84 322 100 4 4 344 78 (1) 173 7 (1) (1) 32	5. 8 6. 0 5. 5 5. 4 5. 6 5. 6 5. 6 5. 6 5. 6 5. 6 5. 6 5. 6	53, 5 53, 8 50, 0 50, 4 52, 5 49, 0 51, 1 49, 5 49, 6 48, 1 6 (1) 51, 0 50, 6 (1) (1) (1) (1) (1) (1) (1)	54. 4 53. 8 47. 2 48. 4 57. 0 45. 2 47. 9 49. 0 41. 4 50. 9 49. 8 47. 5 45. 4 (1) 46. 9 45. 3 (1) (1) (1) (1) (2)	101.7 100.0 94.4 96.0 108.6 92.2 93.7 99.0 79.8 100.2 98.8 91.5 (1) 92.0 80.5 (1) (1) (1) (1) (1) (87.8	\$0. 575 .435 .706 .582 .525 .557 .584 .566 .518 .603 .555 .597 (1) .596 .507 (1)	\$30. 76 23. 40 23. 35. 30 29. 33 27. 56 27. 29 29. 84 28. 02 26. 88 29. 85 27. 53 28. 52 (1) 30. 40 (1) (3) 30. 03	\$31. 24 23. 40 33. 32 28. 14 29. 91 25. 16 27. 76 21. 48 30. 69 27. 65 28. 18 27. 09 (1) 27. 95 22. 99 (1) (1) (1) (1) (26. 38
Total	137	867	5. 5	50. 2	47. 4	94. 4	. 603	30. 27	28. 56
Sheet-metal machine hands and operators, female: Illinois Indiana Massachusetts Michigan New York Ohio. Pennsylvania	2 2 2	(1) (1) 7 14 20 43 76	(1) (1) 5. 7 5. 8 5. 7 5. 2 5. 9	(1) (1) 48. 0 50. 0 48. 0 49. 5 48. 0	(1) (1) 44. 4 47. 9 44. 9 39. 0 47. 5	(1) (1) 92. 5 95. 8 93. 5 78. 8 99. 0	(1) (1) . 463 . 549 . 390 . 402 . 399	(1) (1) 22, 22 27, 45 18, 72 19, 90 19, 15	(1) (1) 20, 58 26, 32 17, 49 15, 71 18, 98
Total	12	167	5.7	48. 7	45.0	92. 4	. 420	20.45	18. 88
Toolmakers, male:	15 18 4 4 24 133 3 3 3 2 6 6 1 1 4 4 3 5 5 17 20 0 6 4 4 2 2 3 38 11 1 3 6 6 4 4 4 4 6 4 6 6 6 6 6 6 6 6 6 6 6	88 566 1155 6 3000 777 111 12 12 12 (1) 16 422 283 2002 111 277 200 855 4077 407 3766 109 9 9 13 16 159	6.0 5.5 6.0 5.9 5.8 6.0 5.8 6.0 5.7 5.7 5.7 5.7 5.7 5.7 5.7 5.7	54. 9 46. 0 50. 4 53. 3 50. 2 50. 5 51. 7 52. 0 46. 6 (1) 48. 1 48. 0 48. 8 50. 5 50. 5 49. 2 49. 3 49. 4 49. 4 49. 4 49. 4 47. 2 52. 5 52. 5	57. 3 47. 7 53. 6 49. 6 51. 3 53. 4 56. 3 41. 4 (1) 45. 0 47. 7 49. 2 47. 0 48. 5 51. 1 47. 3 48. 5 48. 1 47. 6 46. 4 46. 4 46. 4	104. 4 103. 7 96. 6 100. 6 98. 8 101. 6 103. 3 95. 3 (1) 93. 6 97. 7 97. 7 96. 2 103. 9 93. 1 96. 2 103. 9 95. 3 95. 3 95. 3 95. 3 95. 3 95. 3 95. 3 95. 3 96. 2 103. 3 95. 3 95. 3 95. 3 96. 2 103. 3 95. 4 95. 5 95. 5		40. 96 39. 84 38. 22 41. 06 35. 50 33. 38 32. 90 (1) 29. 53 33. 38 41. 10 33. 73 37. 50 39. 61 38. 94 35. 86 36. 97 35. 68 35. 17 36. 86	42.66 41.33 35.83 38.44 40.63 36.02 34.33 36.11 31.33 (1) 27.66 32.88 34.55 39.8 31.45 36.00 41.13 37.3 39.2 34.5 39.7 35.2 34.0 35.3 39.7
17 MCOHNIII	. 14	109	0. 1	02. 0	30. 3	90.8	. 702	30. 80	33.

¹ Included in total.

Table A.—Average number of days on which employees worked, average full-time and actual hours and earnings per week, average earnings per hour, and per cent of full time worked, 1927, by occupation, sex, and State—Continued

	Numl	oer of—	A	verage		Per	Avera	ige earn	ing s —
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Other precision-machine hands and operators, male: Alabama California Connecticut Georgia. Illinois Indiana Iowa Kansas Louisiana Maine Maryland Massachusetts Michigan Minnesota Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee	18 20 66 2 36 6	7 60 114 14 418 53 33 2 2 3 9 (1) 152 14 18 8 25 70 0 144 403 5 5 255 44 10	6. 0 5. 17 5. 6 5. 5 5. 6 5. 7 5. 8 6. 0 6. 0 5. 2 5. 6 5. 4 5. 5 5. 6 5. 4 5. 5 6. 6 6. 0 5. 5 6. 0 5. 5 6. 0 5. 5 6. 5 6. 0 6. 0 5. 5 6. 5 6. 5 6. 5 6. 5 6. 5 6. 5 6. 5	54. 1 45. 4 50. 9 54. 3 49. 8 50. 7 54. 0 54. 0 59. 3 46. 7 (1) 7 50. 5 50. 5 50. 5 50. 6 48. 9 50. 6 46. 6 48. 9 50. 6	55. 7 43. 8 55. 2 47. 8 51. 8 55. 1 54. 0 54. 5 47. 5 49. 5 47. 5 48. 2 47. 5 48. 7 42. 5 48. 0 47. 5 47. 3	96. 5 105. 3 103. 5 96. 0 102. 2 102. 0 100. 0 91. 9 87. 8 (1) 98. 0 94. 4 104. 7 97. 5 96. 2 91. 8 91. 8 94. 4	\$0. 564 806 702 376 722 599 532 613 478 526 (1) 636 607 596 621 661 673 612 678 666 617 598	\$30. 51 36. 59 35. 73 20. 42 35. 96 30. 37 28. 73 33. 10 28. 35 24. 56 (1) 31. 61 30. 65 29. 98 32. 42 32. 39 31. 55 32. 91 30. 97 31. 46 34. 83 31. 04 29. 30 31. 46 32. 42 32. 39 31. 30. 37 31. 46 32. 42 32. 39 31. 30. 37 31. 46 32. 42 32. 39 31. 30. 37 31. 46 32. 42 32. 39 31. 42 32. 30. 37 31. 46 32. 42 32. 30. 37 31. 46 32. 42 32. 32 31. 42 32. 32 32. 32 32. 32 32. 32 32. 32 32. 32 33. 32 33. 32 34. 32 35. 32 36. 32 37 38. 32 38. 32 38 38. 32 38 38 38 38 38 38 38 38 38 38 38 38 38	\$31, 45 35, 32 37, 64 21, 12 34, 55 31, 02 29, 31 33, 08 26, 05 (1) 30, 64 30, 06 28, 29 30, 91 33, 91 27, 99 32, 14 29, 83 28, 79 31, 98 29, 33 28, 39 32, 33 32, 33 32, 33 33, 34 33, 34 34, 34 35, 34 36, 36 36,
Texas Washington Wisconsin	5 3 14	11 10 98	5. 5 5. 8 5. 6	48. 6 47. 3 53. 6	45. 4 46. 8 53. 0	93. 4 98. 9 98. 9	. 574 . 763 . 664	27. 90 36. 09 35. 59	26. 03 35. 65 35. 16
Total	316	2, 001	5. 6	50. 5	48.7	96. 4	. 659	33. 28	32.09
Other precision-machine hands and operators, female: Massachusetts. Michigan. New Hampshire. New York.	2 2 1 1 2	(1) (1) (1) 104	6. 0 4. 3 (1) (1) 5. 3	48. 0 50. 0 (1) (1) 49. 5	42. 5 39. 2 (1) (1) 43. 5	88. 5 78. 4 (1) (1) (1) 87. 9	. 514 . 602 (1) (1) . 309	24. 67 30. 10 (1) (1) 15. 30	21. 85 23. 58 (1) (1) (1) 13. 44
Total	8	122	5.4	49. 3	43.8	88.8	. 330	16. 27	14. 46
Other skilled occupations, male: Alabama Callfornia Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	3 18 18 5 36 16 6 6 8 5 5 39 35 5 6 17 4 26 26 26 43 12 7 11	65 218 281 233 1277 527 108 14 20 28 43 71 804 915 127 115 95 456 1,307 1,903 455 1,829 1,	5.88 5.99 5.77 5.77 5.99 5.61 5.77 5.56 6.17 5.56 6.18 5.56 5.56 5.58 5.58 5.58 5.58 5.58	54. 9 47. 6 50. 7 50. 1 50. 1 50. 5 52. 9 52. 9 55. 3 49. 3 41. 3 49. 4 50. 9 49. 7 49. 7 49. 4 50. 2 44. 4 50. 9 49. 9 49. 9 49. 9	54. 2 47. 4 51. 4 50. 1 49. 3 53. 2 54. 1 57. 4 45. 7 48. 7 48. 7 49. 2 46. 4 43. 7 49. 8 48. 8 48. 0 41. 2 49. 9 49. 1 48. 4 45. 5 50. 6 6	98. 7 99. 6 101. 4 94. 4 105. 3 109. 3 109. 3 96. 9 96. 1 105. 8 98. 6 94. 4 100. 2 100. 8 95. 6 92. 8 95. 6 92. 8 95. 6 95. 6 95. 6 95. 9	. 596 . 764 . 641 . 523 . 679 . 595 . 545 . 590 . 547 . 595 . 553 . 633 . 649 . 680 . 631 . 663 . 677 . 631 . 632 . 632 . 632 . 633 . 634 . 635 . 635 . 635 . 636 . 637 . 631 . 633 . 637 . 638 . 639 . 639	32. 72 36. 37 32. 50 27. 77 34. 02 30. 08 30. 98 26. 31 32. 90 27. 26 26. 14 32. 06 33. 59 31. 46 32. 95 32. 95 32. 95 32. 95 33. 44 31. 97 32. 95 33. 44 30. 98 31. 46 32. 95 32. 95 33. 44 30. 98 30. 98 30. 98 30. 98 30. 98 30. 98 31. 46 32. 95 32. 95 33. 44 30. 98 30. 98 30	32. 34 36. 21 32. 41 26. 17 33. 46 31. 69 29. 50 33. 89 24. 84 27. 66 31. 62 27. 66 31. 49 29. 41 27. 91 33. 96 30. 30 30. 30 29. 84 31. 55 29. 17 35. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19

¹Included in total.

	Numl	oer of—		verage-	-	Per	Avera	age earn	ings—
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Num- ber of days worked in one week	Full- time hours per week	Hours actually worked in one week	cent of full- time hours actually worked	Per hour	Full- time, per week	Made in one week
Other skilled occupations, female: IllinoisIndiana	2 1	16 (¹)	5. 6	51. 6 (1)	48. 2	93. 4 (1)	\$0.321	\$16.56	\$15. 47
Massachusetts Michigan New Hampshire	11 1	8 106 (1)	5. 4 5. 1 (1)	48.0 50.4 (1)	43.7 42.0	91.0 83.3	. 537 . 375 (1)	25. 78 18. 90	23. 43 15. 79 (1)
New Jersey New York Ohio	2	(1)	5. 8 (1) 5. 7	50.0 (1) 48.2	46. 9 (1) 43. 1	93. 8 (1) 89. 4	396 (¹) 1 .480	19. 80 (1) 23. 14	18. 55 (1) 20. 70
Pennsylvania	1	41 (1)	5. 8 (1)	48. 0 (1)	47. 2 (1)	98. 3	.397 (¹)	19.06	18. 75 (1)
Total	27	317	5. 5	47. 7	43. 5	91. 2	. 4 01	19. 13	17. 44
Other employees, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Mar yland Massachusetts Michigan Minesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	8 8 6 6 5 6 39 36 6 20 23 85 6 44	27 237 393 25 1,052 362 362 45 35 38 38 49 1,137 126 616 616 616 616 616 616 616 616 616	5.4 5.8775.5775.5775.586.665.555.885.5.865.555.885.5.86	53. 6 45. 8 50. 6 53. 8 50. 2 51. 2 53. 4 46. 0 53. 9 47. 9 49. 6 50. 3 51. 2 49. 5 49. 5 40. 5 50. 7 49. 6 49. 6 40. 6	49. 9 45. 1 50. 5 49. 8 49. 0 51. 3 52. 0 53. 5 41. 4 49. 9 47. 5 42. 9 47. 5 48. 8 48. 5 53. 6 53. 6 49. 1 48. 1 48. 3 48. 2 51. 2 48. 8 48. 6 48. 6	93. 1 98. 5 99. 8 92. 6 100. 2 97. 4 100. 0 90. 0 97. 1 89. 6 93. 4 97. 0 94. 5 100. 0 95. 6 92. 6 94. 7 101. 0 93. 8 92. 3 97. 3	.382 .554 .544 .302 .605 .510 .405 .376 .530 .512 .461 .486 .550 .618 .530 .618 .530 .336 .530 .480 .482 .542 .550 .550	20. 48 25. 56 27. 56 30. 37 26. 11 26. 43 25. 09 18. 63 20. 27 26. 85 23. 09 25. 76 23. 65 24. 28 27. 28 27. 28 26. 87 19. 11 21. 03 26. 13 21. 61 21. 03 26. 13	19. 05 25. 20 27. 43 15. 04 29. 64 26. 15 25. 79 25. 79 16. 80 28. 06 20. 68 24. 25 28. 58 24. 25 27. 06 27. 06 27
Total	487	9, 352	5.6	50.3	48.5	96.4	. 526	26.46	25.50
Other employees, female: Illinois Indiana Maine Massachusetts Michigan New Jersey New York Ohio Pennsylvania	1 6 4 1 1	(1) (1) (1) 12 8 (1) (1) 77 12	(1) (1) (1) 5.8 5.0 (1) (1) 5.6 6.0	(1) (1) (1) 48. 2 50. 0 (1) (1) 49. 1 48. 0	(1) (1) (1) 47. 1 43. 1 (1) (1) 45. 1 49. 4	(1) (1) (1) 97. 7 86. 2 (1) (1) 91. 9 102. 9	(1) (1) (1) . 276 . 350 (1) (1) . 294 . 334	(1) (1) (1) 13. 30 17. 50 (1) (1) 14. 44 16. 03	(1) (1) (1) 13.00 15.00 (1) (1) (1) 13.25 16.49
Total	20	123	6. 1	49.3	46.4	94, 1	.309	15. 23	14. 34

¹ Included in total.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State FOUNDRIES

	Numb	er of—]	Numb	er of er	nploye	es who	se ear	nings	per h	our w	ere-						
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Average earnings per hour	Un- der 20 cents		25 and un- der 30 cents	un- der 35	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 a n d un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	75 and un- der 80 cents	un- der 85	85 and un- der 90 cents	un- der 95	95 cents and un- der \$1	and un- der	\$1. 25 and un- der \$1. 50	and un- der	and un- der
Chippers and rough grinders, male: Alabama California Colorado	2 21 3	101 40	\$0.313 .616 .434				19	4	23	2 9	17 2	20	22	22	7	<u>9</u>	<u>-</u> 2							
Connecticut Georgía Illinois Indiana Iowa	16 4 24 13 11	114 38 293 166 70	.507 .240 .610 .504 .492	1	22	6	7 1 1	2 1 3 6 14	20 1 9 36 17	26 19 59 9	32 55 21 13	18 62 11 5	72 12 12 3	3 20 9 4	14 2 1	14 1 3	1 10 7	6 1	6	1 	1			
Kansas Kentucky Louisiana Maine Maryland	8 5 3 3 7	38 20 34 24 37	. 393 . 401 . 362 . 473 . 442		2	2 1	7 4 4	11 4 21	16 3 3 15 13	4 4 3 6	1 3 2 4	2 4	1	1	1	i								
Massachusetts Michigan Minnesota Missouri New Hampshire	28 38 5 11	378 380 43 51 27	. 537 . 574 . 573 . 499 . 500	i	1		2 1	3 9 1 2	100 18 11 6 5	32 72 7 19 6	103 95 6 5	63 41 2 16 4	24 29 3 2	17 48 5	5 29 4 1	12 21	1 7 1	6 5 2	2 1 1	4 1	6			
New Jersey New York Ohio Oregon Pennsylvania	17 23 50 7 38	250 296 486 23 470	. 570 . 594 . 499 . 576			1	1	11 27	15 20 89 52	34 32 158	37 50 98 2 150	70 67 82 18 63	35 38 29 1 58	24 27 8 1 19	23 24 4	7 14 1 1 18	3 8	1 4	1 3	1	3 2	1 1		
Rhode Island Tennessee Texas Washington	8 4 5 7	120 33 22 26	. 516 . 337 . 364 . 648			5	16 9	6 6	17 5 5	33 1 1	32	11	7	5 12	4	3	1	2		1	5			
Wisconsin Total	13 379	254 3, 857	. 597	2	25	15	77	3 154	502	679	791	31 595	366	13 240	17 145	111	48	36	20	16	32	3		

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued FOUNDRIES—Continued

	Numb	er of—								Numb	r of en	iploye	es who	se earr	nings j	pe r h o	ur we	re—						
Occupation, sex, and State	Estab- lish- ments		Average earnings per hour	der 20 cents	un- der 25	un- der 30	un- der 35	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	75 and un- der 80 cents	80 and un- der 85 cents	85 and un- der 90 cents	un- der 95	95 cents and un- der \$1	and un- der	\$1, 25 and un- der \$1, 50	and un- der	and un- der
Core makers, male: Alabama. California. Colorado. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas. Kentucky. Louisiana. Maine. Maryland. Massachusetts. Michigan. Minnesota. Missouri. New Hampshire. New Jersey. New York. Ohio. Oregon. Penusylvania. Rhode Island. Tennessee. Texas. Washington. Wisconsin.	31 21 3 16 7 7 26 16 11 18 8 6 5 5 12 7 17 24 51 7 7 38 8 7 9 9 7 13	19 117 20 96 31 1227 170 15 15 9 14 9 14 9 130 220 393 338 51 63 39 130 220 393 12 51 52 41 26 17	\$0. 544 919 771 774 438 818 664 719 563 665 665 823 714 721 765 789 619 669 823 774 775 789 619		2	2	1 1 2 1 2	3 7 1 1 2 4 3 3 3	3 5 4 8 8 3 2 1 1 3 6 6 1 2 5 5 4 4 3 2 3 2 3 2 3 3 2 3 3 3 3 3 3 3 3 3	2 1 1 1 1 7 7 1 1 1 2 1 5 5 5 5 5 5 1 1 1 1 1 1 1 1 1	1 1 1 4 4 4 7 7 18 6 6 4 4 1 2 2 3 3 8 8 14 9 17 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 1 1 9 4 226 12 4 1 1 5 8 8 225 5 5 9 9 8 22 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 5 1 1 16 6 22 7 7 3 1 1	1 2 2 1 7 7 12 21 1 1 2 2 1 1 1 4 4 4 4 22 4 4 1 1 3 4 4 1 1 3 1 1 3 1 1 1 1 1 1 1	5 2 2 2 7 7 2 2 17 20 7 7 1 1 1 1 2 1 4 4 1 1 1 1 1 1 1 1 1 1 1 1	2 16 4 8 8 3 19 19 18 - 4 4 5 4 2 2 10 26 55 5 1 4 3 5	12 3 13 40 4 5 5 	111 3 26 7 11 2 1 1 3 7 7 25 14 1 1 15 44 221 3 46 1 1 9 9 3 3 4 13	5 2 10 22 7 7 9 78 8 20 27 1 25 17 77 1 39	2 1 3 4 4 10 2 35 60	65 3 48 6 1 6 10 1 16 12 35 1 58	1	1 1	
Total	401	3, 040	. 755		2	5	18	31	60	71	167	208	277	218	251	348	328	286	350	148	266	4	2	

Core makers, female: Illinois. Indiana Kentucky. Massachusetts Michigan. New Jersey. New York Ohio. Pennsylvania Rhode Island Wisconsin	4 2 2 2 7 4 7 2 3 2 4	52 18 5 3 55 49 54 14 29 7	. 555 . 564 . 446 . 659 . 421 . 474 . 530 . 466 . 427 . 420 . 517		5	4 15 1 4 2	8 9 3 3 1 2	1 2 9 6 1 3	9 1 2 10 1 13 3 4 2 7	5 1 2 1 11 3 6	10 2 1 2 7 14 1 3	6 5 1 2 4 3 3 1 2 2	5 3 1 3 4	2 3 1 1	2 2 1	2 1 1	1 1	2	1 2 1	1 1	2		
Total 1	41	324	. 491		5	29	28	31	52	40	41	29	22	15	7	5	9	2	5	2	2		 -
Laborers, male: Alabama California	4 20	67 258	. 306		1	14	46	4	2 2	40	65	79	55	13	3	 							
Colorado Connecticut	2 16	24 490	. 438 . 478				10	10	15 129	167	106	2 43	14	1 3	₁ -	<u>-</u> -	3	2-	- -	-			
Georgia Illinois Indiana Iowa	7 28 15 11	165 902 839 186	. 256 . 549 . 477 . 473	2 1	40	82	36 4 4	26 66 41	91 300 40	232 175 31	147 148 21	132 56 27	128 26 5	38 25 5	19 15 3	29 6 7	17 11	14 3	12 3	3			
Kansas Kentucky Louisiana	6 4 4	28 23 34	. 393		7	3 2	6 1 8	10	7 14 1 3	2 4 13	2	1											
Maine Maryland	3 7	39 135	.476 $.381$			4	12	83	6 23	27 4	3 6	$\frac{2}{2}$		1	<u>1</u> -								
Massachusetts Michigan Minnesota Missouri	28 39 5 12	695 1,521 105 145	. 501 . 529 . 491 . 445	1 		4	$\begin{array}{c c} 1 \\ 15 \\ 2 \\ 10 \end{array}$	20 4 33	111 167 46 35	282 331 21 31	163 468 7 18	46 205 8 13	21 98 3 2	33 65 2	7 49 9	20 25 2	5 33 1	1 12	5	- -	1 14 	2	
New Hampshire New Jersey New York Ohio	6 17 25 52	31 705 741 1, 237	. 466 . 468 . 525 . 475			2	1 2	51 4 32	10 129 96 416	287 143 342	7 169 249 266	$\begin{array}{c} 2 \\ 48 \\ 155 \\ 110 \end{array}$	1 11 40 35	1 4 12 11	5 12 8	7 3	6	9	6	1	4	2	
Oregon Pennsylvania Rhode Island Tennessee	7 40 8 7	1, 602 193 87	.514 .497 .487 .296			45	41 1 34	50 2 7	433 13 1	8 447 95	31 310 57	12 71 16	60 6	35 1	26 2	44	49	25	6	1			
Texas Washington Wisconsin	9 6 13	196 55 461	. 333 . 560 . 539			1 2	137	43 	7 1 29	159	18 107	27 46	 8 29	1 17	15	21	9	3	8				
Total	401	11,017	. 491	4	51				2, 129	2, 861	2, 369	1, 103	542	269	175	167	135	72	40	12	19	5	

¹ Including data for 2 establishments for which details are not shown.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued FOUNDRIES—Continued

	Numb	er of—								Numb	er of er	nploye	es who	ose ear	nings	per h	our w	ere -						
Occupation, sex, and State	Estab- lish- ments	Em- ployees	A ver- age earn- ings per hour	der 20 cents		25 and un- der 30 cents	30 and un- der 35 cents	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	75 and un- der 80 cents	80 and un- der 85 cents	85 and un- der 90 cents	un- der 95	95 cents and un- der \$1	and un- der	\$1. 25 and un- der \$1. 50	and un- der	and un- der
Molders, hand, bench, male: California. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas. Kentucky. Louisiana. Maine. Maryland. Massachusetts. Michigan. Minnesota. Missouri. New Hampshire. New Jersey. New York. Ohio. Oregon. Pennsylvania. Rhode Island.	18 13 4 22 14 7 6 5 2 4 6 6 27 35 4 6 6 15 20 43 8 8	60 111 34 134 109 53 8 11 4 12 295 294 36 6 6 6 6 8 25 73 157 237 237 237 237 237 237 237 237 237 23	\$0. 941 683 595 774 796 747 582 567 530 841 851 708 894 909 734 909 734 790 820 749 815			1	1	1 1 1 1 6 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1	5 2 1 4 	1 1 1 3 1 2	8 7 4 11 2 3 2 1 2 14 1 1	14 4 5 8 5 1 1 7 2 11 4 2 2 1 7 15	12 3 18 11 8 11 1 20 1 1 20 1 1 22 1 20 1 20	1 19 8 14 11 6	15 2 21 5 4 1 1 	4 13 5 11 6 5 1 3 35 40 2 2 3 1 15 23 5 24 4	12 11 16 4 9 1 2 25 32 3 1 2 8 10 22 2 16 5	3 7 12 9 3 1 1 2 17 24 1 2 3 5 2 12	3 1 7 12 4 	9 2 2 2 10 10 10 1 4 14	37 2 16 12 3 3 	14 15	5 11	1 2 5
Tennessee Texas Washington Wisconsin	4 6 4 11	34 15 11 50	. 550 . 643 . 816 . 694	3	2	4		2	1	1 2 2	4 2 5	2 10	1 3 2	8	<u>2</u> <u>7</u>	1 3 6	1 2 5 3	11 2 3 1		 i	 4			
Total 2	324	2, 063	. 789	3		7	8	18	30	31	89	115	162	226	195	223	196	135	258	96	203	37		
Molders, hand, floor, male: Alabama California Colorado Connecticut. Georgia	19 3 16 7	53 205 49 244 68	. 714 . 960 . 805 . 811 . 720						1 1 3	2	2 4 2	1 3 6 2	4 1 3 6 2	20 17	13 20 6	21 7 6 35 29	7 25 21 42 4	22 4 52 1	18 4 34	5 3 10	123 3 12 2	3		

Illinois. Indiana Iowa. Kansas Kantucky. Louisiana. Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio. Oregon Pennsylvania Rhode Island Tennessee Texas Washington.	28 15 11 9 7 5 4 4 7 27 33 4 12 8 16 25 5 17 40 8 7 10 7	361 288 130 44 35 41 35 96 367 417 45 146 49 262 832 328 739 106 87 87	. 831 . 709 . 816 . 623 . 657 . 703 . 971 . 789 . 667 . 735 . 888 . 832 . 848 . 865 . 817 . 752 . 894 . 895 . 896 . 896 . 896 . 897 . 792 . 898 . 898	1			1	2	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 2	2 10 3 1 2 1 2 	8 18 3 9 4 5 9 5 18 3 18 1 1 1 1 1 1 1 1 1 1 5 2 7	10 24 1 100 2 1 8 3 3 16 6 11 12 20 8 4 7	20 27 8 5 5 2 4 14 4 3 3 16 8 9 7 3 8	38 59 9 4 4 11 17 33 28 13 8 8 32 58	23 37 67 4 22 3 5 43 7 12 6 15 40 15 18 4 1 16	27 27 225 7 10 2 7 63 1 15 9 31 15 58 45 3 107 7	21 23 15 4 24 74 74 5 8 26 52 98 15 109 5 8 15 109	37 37 34 1 2 1 15 43 2 4 24 24 38 95 14 47 24 12 15	19 19 11 	35 3 5 	116 2 9 3 4 41 18 5 5 2 41 97 7 2 79 14 1 20	1 29 3 12 8 2	10	10
Total	402	5, 375	.820	1		1	2	9	22	64	155	173	292	484	420	604	703	548	769	391	644	67	16	10
Molders, machine, male:					===					=						===		==		===				
California	6	16	. 955	l	-		- 1				į		1	1	2			2	3	2	4			1
Colorado	2	- <u>4</u>	. 638										$\hat{2}$	l i	ĺiĺ				J		*			1
Connecticut	8	111	. 648			1		3	8	6	11	10	12	18	13	10	7	4	3	1 i	4			
Georgia	2	17	. 706						j	2		4	4	ĺi		2	l i		ĭ	- 1	2			
Illinois	13	217	. 787	-					1	2	7	9	4 9	17	23	41	40	17	20	12	10			
Indiana	12 7	336	.724	1	1	3 _		6	8	14	32	23	39	32	22	23	35	42	33	- 9	8	5		
Iowa	7	68	. 691		- !-			ĭ	2	3	7	9	6	11	6	10	3	5	3	ĭ	i	۰		
Kansas	2	6	. 584	1				î l	~	· ·	i l	ĭ	2		"	10	ĭ	U		- 1				
Kentucky	3	12	. 569	2				î [**	2	i	2	î	~			5	1 1							
Maryland	4	29	. 639					î l	2	2	5	7	2		2	ĭ	2	3		1	1			
Massachusetts	23	325	. 836		-			*	1	- 4	14	15	26	26	21	19	30	28	74	21	44	5	;-	
Michigan	21	456	. 730	1		2		8	11	25	33	30	48	53	55	45	38	34	26	10	30	8	1	
Minnesota	3	25	. 666			- -		0.		1	7	5	10	2	1	2	4	2				•		
Missouri	3	28	. 657						_i -	3	'	,		15	8	1	*	Z			1			
New Hampshire	ž	19	. 793						1		1	i	4	1 1	1	1	2	2		;-				
New Jersey	15	220	. 757		-			i	2	2	$1\overset{1}{2}$	13	16	27	21	34	31		4	1	2			
New York	17	312	.787		-			1	1	4	11	20	27	32	54			22	17	14	7	1		
Ohio .	25	247	. 765			1			5	10	17	11	21		34	35 26	25 17	15	26	22	34	5	1	
Pennsylvania	26	214	. 700			1 -		3	10			26	21	31	13			17	25	21	31	1		
Rhode Island	7	101	. 772			-		3	10	8	18	6	24	23 7	16	23 17	15	15	14	10	9			
Temnessee	2	101	. 444			2		1		3	7	ь	5		11	17	11	11	9	5	8			
Texas	3	19	. 708			4	1	;-	;-	;-	2	;-		2	;-									
Wisconsin	11	288	. 772					1	1	1	.2	1	1	3	1	1	2	2	1	:::	1	1		
	l	است					2			6	14	16	26	39	34	31	31	30	18	14	27	<u></u>		
Total 3	220	3, 102	. 753	1	1	9	3	27	55	93	205	208	275	347	309	32 8	312	252	278	146	224	26	2	1
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² Including data for 1 establishment for which details are not shown.

³ Including data for 3 establishments for which details are not shown.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued FOUNDRIES—Continued

	Numb	er of—								Numb	er of en	nploye	es who	se earr	nings j	per ho	ur wo	er e —						
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Average earnings per hour	Un- der 20 cents		25 and un- der 30 cens	30 and un- der 35 cents	un- der 40	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	75 and un- der 80 cents	80 and un- der 85 cents	85 and un- der 90 cents	un- der 95	95 cents and un- der \$1	and un- der	\$1. 25 and un- der \$1. 50	and un- der	and un- der
Molders' helpers, floor, male: Alabama California Colorado	4 11 3	53 59	\$0, 325 , 616 , 466			3	44	4	6	4 1 9	1 11 10	5 4	21 5	8	4	2		1						
Connecticut	12 5 17 10	82 51 102 103	. 533 . 259 . 543 . 440		23	21	3 1	1 6 11	2 2 10 37	32 1 24 22	27 1 28 28	5 7 3	3 5 1	2 7	4 7	2 6	3 1	1	1					
Iowa. Kansas Kentucky. Louisiana Maryland	7 8 7 5 4	24 46 20 52 21	. 431 . 372 . 379 . 404 . 451		9	1 2 1	20 1 5 4	3 10 2 1 5	15 4 11 1 4	1 5 3 23	5 6 1 9	3 2												
Masyachusetts Michigan Minnesota Missouri	. 20	98 108 30 99	. 528 . 597 . 438 . 499				 8	4 1 9	9 5 28 4	29 20 2 10	23 17	16 14 	19 6	2 3 9	10	3	4	2 4	1		1 1			
New Jersey New York Ohio Oregon		106 80 207 16	. 493 . 576 . 473				3	13 	24 3 42	27 13 42	18 21 51 2	3 15 11 7	7 10 8 5	6 16 9	1	3 2 1		1	2	1	1			
Pennsylvania Rhode Island Tennessee Texas	24 4 6 8	224 10 66 38	. 546 . 526 . 313 . 398			5	57 14	3 4 5	16	47 4 12	59 2	34 1	30 2 1	15	11 1	7 	2							
Washington Wisconsin Total ²	247	22 38 1,820	. 617 . 498		32	33	166	128	250	22 354	2 7 380	149	138	86	46	28	10	10	5	1	3			
Pattern makers, male: Alabama. California. Colorado Connecticut.	3 11	17 33 4 18	. 785 1. 003 . 899 . 651							1	3		1	 1 8		1 1 1	15	6	4	1	20 2	1		

	•	7	1
٠,	,	•	

Georgia. Illinois. Indiana Iowa. Kansas Louisiana. Maine. Maryland. Massachusetts. Michigan Minesota Missouri New Hampshire. New Jersey New York Ohio. Oregon. Pennsylvania Rhode Island Tennessee. Texas	5 7 2 13 20 30 2 30	15 139 89 17 11 11 3 14 20 20 25 8 137 115 115 115 115 115 111 11 11 13 6	. 669 . 891 . 932 . 685 . 722 . 759 . 629 . 741 . 752 . 846 . 730 1. 070 . 773 . 862 . 836 . 912 . 836 . 662 . 876				1	2	1 2 2 2 1 1 1 2 2 6 6	2	1 3 2 2 2 2 2 2 2 2 5 1 1 	1 7 3 4 1 15 9 2 1 17 6 1	1 5 6 2 28 13 8 	2 13 3 1 1 1 26 20 6 19 23 13 2 3	16 13 2 1 2 23 20 5 2 4 19 15 20 1 5 20 15 20	2 17 17 2 1 2 11 8 2 16 29 19	1 4 21 19 1 16 64 22 22	12 18 5 14 13	2 13 29 16 7 8 4 19	1 	
Tennessee. Texas Washington Wisconsin	5 4 2 10	13 6 7 132	. 876 . 713 . 902 . 780	 	 						3	13	-	3 34	1 34	5 11		3	3 1 2 1		
Total 5	259	1, 512	. 830	 	 	1	4	5	25	28	79	99	153	187	246	159	199	101	205	20	 1

MACHINE SHOPS

	- 1		,	,	1		,						,						7	,				
Assemblers, male.				İ		l					ļ							ļ				ļ		
Alabama	2	22	\$0, 561	1					5	1 1	3	5		3	1	2	2			1	1	ĺ		
California	14	146	. 810			1			1		6	ī	3	9	19	18	39	19	13	12	7			
Connecticut	18	324	. 684			1			5	10	25	42	61	41	34	33	32	28	3	4	6			
Georgia	2	7	. 606					1	1 1			1		2	1		1	1 -	,	_				
Illinois	31	860	. 679			1		4	13	19	71	123	127	85	108	214	44	23	7	8		1		
Indiana	14	325	. 536		1			Ī.,	62	61	$7\overline{2}$	48	23	31	19	4	4	1 1	'			1	<u> </u>	
Iowa	9	89	, 513	,				8	28	9	16	5	11	9	2	1		-				1		
Kansas	3	40	. 431	ľ		1	13	li	12	3 !	3	6		ĭ	_							1		
Kentucky	6	76	. 594			1	3	$\bar{2}$	5	9	6	ž	15	16	. 10	3	1	1			2	:		
Louisiana	2	2	. 412						2								_	1 -			_		[- -	
Maine	3	22	. 556						4	1	4	3	6	4										1
Maryland	5	41	. 645					1	4	5	5		3		9	3	6	2	1		2	i	i	
Massachusetts	9	241	. 605			1	8	3	5	9	35	50	46	49	25	3	š	2	2		_			
Michigan	24	504	. 618				2	4	27	36	73	72	87	74	47	44	22	8	5	2	i		i	1
Minnesota	5	68	. 617						3	6	6	13	16	8	8	4	2		ĭ		1			1
Missouri	15	134	. 564					5	13	14	25	21	17	26	8	2	2	1	·					1
New Hampshire	4	16	. 577							ï	6	-ī	6	1			ī	I		1				
New Jersey	26	480	713						3	9	27	44	77	76		60	56	29	16	8	11	6		

² Including data for 1 establishment for which details are not shown.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of—]	Numbe	er of er	nploye	es who	se earı	ings	per h	our w	ere—						
Occupation, sex, and State	Estab- lish- ments		Average earnings per hour	Un- der 20 cents	un- der 25	25 and un- der 30 cents	30 and un- der 35 cents	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	un- der 80	un- der 85	un- der 90	90 and un- der 95 cents	and un- der	and un- der	\$1. 25 and un- der \$1. 50	and un- der	and un- der
Assemblers, male—Continued. New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	72 5 42 10 2 5	976 1,718 30 1,187 143 30 67 34 437	\$0. 705 . 640 . 728 . 665 . 600 . 552 . 535 . 777 . 649			1	3	5 1 27 3	13 17 57 2 6 13	28 61 74 13 4 3	133 26 1 29	62 300 112 44 3 7	124 384 133 16 2 5 1 89	174 277 7 167 18 4 3 4 71	201 218 11 119 8 7 4 2 43	110 134 9 125 6 1 13 35	74 55 2 78 4 2 9 18	51 1 5 14	49 16 1 47 3	11 12 31 2	11 12 29	2 2	1	
Total	368	8, 019	. 653			4	29	66	310	389	856	1, 049	1, 252	1, 160	962	823	457	288	169	92	98	13	_1	
Boring-mill hands and operators, male: Alabama California. Connecticut. Georgia Illinois. Indiana Iowa Kansas. Kentucky Louisiana Maine Maryland Massachusetts Michigan Minesota	16 4 30 9 3 3 4 3	14 63 109 7 253 30 19 6 8 6 10 4 110 84 15	. 694 . 846 . 753 . 461 . 784 . 616 . 566 . 412 . 768 . 726 . 629 . 851 . 707 . 647 . 702					3	1 4	2 6 1 1 2 2 1 1	3 3 7 7 2 1 1 3 1 1 8 1	10 1 6 3 3 3 1 1 1 1 7 16	1 9 16 7 4 1 1 18 22 1	16 1 23 2 3 1 1 	2 11 12 27 3 2 3 1 1 1 20 7	3 9 15 5 5 5 1 1	3 15 21 48 1 4 1 7	9 15 32 	6 6	8 1 20	5 1 10			
Missouri New Hampshire New Jersey New York	11 4 25 21 74	52 6 119 208	.706 .660 .762 .741					1	1	2 1 1 6	5 2 3 21	4 1 5 8 32	3 2 14 19 73	8 2 21 32 75	19 47 93	12 49 71	17 1 15 16 65	11 13 14 41	6 10 11	3 2 10	7 4 12	1 2		

Oregon	4	12	. 792	1		1 1	1	1 1		i i			1 1		5	1 3	21		7 (1 1	11			,
Pennsylvania	42	334	. 706					3	4	8	21	22	44	46	65	42	38	22	13	4				
Rhode Island	9	33	. 634					ا ت	-	ĭ	ĩô l	6	4	5	3	2	1		1		-			
Tennessee.	2	8	. 635							î	1	1	*	2	2	í	1		- 1					
Texas	5	6	. 561						;-	î	i	1 1	2											
Washington	3								1		1			1										
Washington		15	. 793		ļ											5	8	2						
Wisconsin	14	163	. 744							2	2	10	29	28	28	12	21	13	8	3	6	1		
Total	354	2, 208	. 727					12	16	42	100	138	273	312	352	305	295	178	79	51	51	4		
										===	===			====			===			===				
Drill-press hands and operators,		1				1												-		- 1				i .
male:	ł				1	l i		i				i 1		i			l l							1
Alabama	2	26	. 406	Ì			5	6	8	1	3	1		2					- 1			. 1		ĺ
California	18	115	. 670						ĭ	2	9	14	17	33	12	7	13	4	1					
Connecticut	î7	155	. 607				1	1	6	14	31	20	25	16	16	18	3	i	2	1				
Georgia	3	12	. 368			1	3	4	3	17	1	20	20	10	10	10	0	• •	- 4	1				
Illinois	34	733				1 1	2				54		87		100	110		55-						
Indiana	34		. 687					6	14	29	04	86		65	136	118	69	36	25	4	2			
Indiana	14	168	. 541				1	5	26	29	32	24	23	15	9	3	1							
Iowa	7	78	. 487		2	2	3	6	10	17	16	6	11	4	1									
Kansas	6	15	. 436				2		8	2	2	1												
Kentucky	7	21	. 493				2	1	4	5	1	5	1	2										
Louisiana	2	5	. 352			3	1						1											
Maine	2 5	22	. 550						6	3	1	3	4	4	1									
Maryland	5	51	. 550	İ		i		1		8	25	5	4	3	1	1	1		1	1				
Massachusetts	37	349	. 626					2	2	25	56	62	59	67	40	15	11	5	3	i	1			
Michigan	29	327	. 577			1	4	48	40	25 35	27	62 37	30	14	18	33	26	11	i	î	i			
Minnesota	5	35	. 694				-	70	1	2	5	i	3	4	4	8	4	12	- 1		i			
Missouri	17	89	. 515			i	2	12	10	13	15	6	18	8	4	•	4					1		
New Hampshire	7	22	. 647			1		12	10		1	4	7	3	3	3								
New Jersey	28	205								.1	37		30				::-							
New York	23		. 640						2	14		34		26	17	17	15	6	6		1			
	23	413	. 638					2	14	29 57	28	50	99	85	46	35	10	3	4	1	5	2		
	79	755	. 587		1	3	6	23	27	57	125	144	163	94	55	31	16	7	2		1			
Oregon	6	18	634									4	8	3	2	1								
Pennsylvania	43	682	. 578			9	15	29	58	57	115	89	96	69	64	46	16	14	1	3	1			
Rhode Island	12	109	. 573			1			5	10	36	21	12	10	4	4	3	1		2				
Tennessee.	4	26	. 468				5	2	4	3	4	4	1	2		1							-	
Texas	6	29	. 504	!!				4	6	1	3	7	3	4	1									
Washington	5	24	. 701					ll				1	2	7	8	6								
Wisconsin	15	275	. 596				1	1	5	29	56	59	51	34	14	14	10	1						
Total	433	4, 759	. 605		3	21	53	153	260	386	683	688	755	574	456	361	108	91	46	16	13	2		ĺ
Fitters and bench hands, male:		1									- 1					1								
Alabama	2	12	. 593					1		2	2	1	1	2	1	2	1					. 1		1
California	17	197	. 796					- 1	1	5	14	1	7	8	17	27	51	26	14	11	15			
Connecticut	ii	277	. 651					3	i	7	39	34	49	57	31	31	14	4	1	2	4			
								0		· 1	98	34	49		91	91	14	4	- 1		* I			
Georgia	2	19	. 267		8	7	3							1									;-	
Illinois	24	562	. 721				1	3	7	21	38	47	60	65	74	68	59	42	37	19	20		1	
Indiana	10	131	. 638					1	5	4	19	18	20	21	19	11	3	5	3		1	1		
Iowa	4	38	. 422			1	1	19	5	4	1	1	5	1										
Kansas	4	12	. 496				1		3	2	3			1	2						l			
Kentucky	5	29	. 580					3	2	3	2	6	4	3	4		1	1]		l
Maine	2	63	. 502					7	9	12	12	18	4	1			!							1
			-						•				_	_										

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of—								Numb	er of er	nploye	es who	se ear	nings	per h	our w	ere—						
Occupation, sex, and State	Estab- lish- ments	Em- ployees	A ver- age earn- ings per hour	Un- der 20 cents	20 and un- der 25 cents	25 and un- der 30 cents	un- der 35	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cent	75 and un- der 80 cents	80 and un- der 85 cents	85 and un- der 90 cents	un-	and un- der	and un- der	\$1, 25 and un- der \$1, 50	and un- der	and un- der
Fitters and bench hands, male— Continued. Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wissonsin	25 5 10 5 25 20 62 3 33 6 33 2	1, 100 489 12 64 72 378 922 856 8 952 114 20 6 31 293	\$0. 660 .651 .668 .545 .723 .641 .716 .650 .708 .633 .595 .511 .522 .775			1	7	8 1 3 3 2 1	2 26 10 1 12 14 61 4 4	13 32 1 14 22 45 47 4 4 3 1	115 422 1 111 6 81 18 89 76 21 2 5	202 39 7 2 38 45 97 106 35 7	206 67 4 10 4 51 142 152 145 21 2	203 87 2 5 7 34 198 159 2 140 8	148 61 1 18 23 204 151 5 153 9	91 65 2 2 27 43 133 67 1 87 5 1	44 33 5 25 78 32 40 3	30 18 	22 5 1 1 7 24 18 22 2	9 5 1 5 10 4	14 	1 1 1		
Total 2	332	6,661	. 662		8	9	13	86	173	257	634	765	1,007	1,045	965	698	413	276	158	70	78	5	1	
Grinding-machine hands and operators, male: California Connecticut Georgia Illinois Indiana Iowa Kansas	15 2 24 11 5 2	47 122 5 412 93 38 3	.779 .628 .434 .735 .632 .543		i		1	1 1 1 1	1 1 9 6 2	6 1 6 9 6	2 20 18 8 8	4 17 40 15 7	3 26 46 14 7	5 23 1 43 13 3 1	9 13 48 12 1	1 8 51 6	7 2 43 8 1	3 3 61 1	8 1 21	1 8 1	5			
Kentucky		185	. 509 . 608 . 735 . 651						6	5 11	1 17 28	31 8	4 1 50 18	1 1 21 17	12 25 13	1 20 15	1 11 23	2	1	1 1 2	1 2			

Minnesota	10 3 15 15 61	14 27 13 84 185 390	.701 .570 .649 .662 .711				 2	1 1	5 1 3 1 17	8 4 37	5 9 9 42	1 2 1 8 9 60	1 3 6 12 26 53	2 5 2 12 28 58	3 1 2 12 39 47	1 9 27 28	3 3 13 22	2 21 8	4 4 3	1 4 4	1			
Pennsylvania	31	217	. 691				1	5	6	14	10 12	11	17	44	35	21	25	11	9	6	2			
Rhode Island Washington	9	129 8	. 628					2	2	3	12	19	35	$\frac{32}{1}$	17 2	4	2	1						
Wisconsin	14	98	. 644							7	10	13	21	26	10	3	4	ī	1	1	1			
Total 4	298	2, 285	. 668		2	2	7	25	62	122	200	249	343	343	303	200	175	133	56	30	33			
Laborers, male:																							i	
Alabama	6	53	. 304		4	3	44	1	1															
California	21	194	. 535						6	14	105	43	16	5	3	1	. 1						1	
Connecticut	16	202	. 471				3	13	42	62	62	14	3		2			1						
Georgia	8	71	. 226	6	43	16	6				i													
Illinois	32	1,009	. 498			1	9	36	268	216	191	161	77	25	9	9	4	2		1				
Indiana	15	319	. 437			1	4	74	115	72	33	4	6	3	2	4	1						!	
Iowa	9	75	. 395				7	29	24	9	5		1										\	
Kansas	5	26	. 362				11	6	8		1					!			!					
Kentucky	5	25	. 406				3	4	12	5					1									
Louisiana	4	40	. 329	!	11	14	2	2	1	1	6	3												
Maine	4	33	.419					4	17	11	1												;	
Maryland	6	58	. 430				1	6	20	25	5		1											
Massachusetts	36	841	. 459	i			6	64	285	296	128	27	23	7		3		1	1					
Michigan	32	672	. 490			4	6	30	134	127	246	59	47	14	4						1			
Minnesota	5	103	, 447	i				4	52	24	15	7			1	,		!						
Missouri	16	158	. 409				8	33	83	23	10	1											l	
New Hampshire	8	43	. 469					3	13	12	9	6												
New Jersey	29	373	. 471				1	7	98	121	122	21	2	1										
New York	23	871	. 460				1	19	292	304	204	39	10	1		1	1							
Ohio	80	1, 225	. 453			4	12	143	324	424	235	55	20	7	1									
Oregon	3	21	. 490						3	4	9	5							\i					
Pennsylvania	44	1, 182	. 444	1		2	62	103	474	290	184	46	13	4	1	3								
Rhode Island	12	121	. 443	1				6	56	47	9	1	1	1										
Tennessee	8	81	. 316			8	54	13	6										i					
Texas	12	157	. 349			9	76	35	23	11	3													
Washington	6	38	. 485					1	4	2	26	3	2											
Wisconsin	14	351	. 471	1		3	2	11	87	143	67	25	8	2	1		1							
Total	459	8, 342	. 456	7	58	65	318	647	2, 448	2, 243	1, 676	520	230	70	25	20	8	4	1	1	1			
Lathe hands and operators, engine, male:				İ																				
Alabama	2	22	. 668						1		2	1	4	4	3	3	4						1	
California	16	219	. 848						1		[5	16	56	50		27	14	16			
Connecticut	19	232	. 678						1	7	29	18	48	34	30	29	18	5	9	1	3			
Georgia	4	17	. 547				1	1	1	4	1	1	1	6	1									
Illinois	33	865	. 767				1		4	10	28	39	73	76	102	149	174	97	38	29	38	6	1	
2 Including data for 1 c	atablial		an imbia	h data		+	ala - ***	_			ma)							ماداد			ohem			

² Including data for 1 establishment for which details are not shown.

⁴ Including data for 5 establishments for which details are not shown.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of—							1	Numbe	r of en	ploye	es who	se earn	ings 1	er ho	ur we	re—						
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Average earnings per hour	der 20 cents		un- der 30	30 and un- der 35 cents	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	75 and un- der 80 cents	80 and un- der 85 cents	85 and un- der 90 cents	90 and un- der 95 cents	95 cents and un- der \$1	and un- der	\$1. 25 and un- der \$1. 50	and un- der	un- der
Lathe hands and operators, engine, male—Continued. Indiana	10	183	\$0. 643						3	14	29	19	25	27	40	11	6	4	1		4			
Iowa Kansas	7 7	48 40	. 585					1	1	5 3	11 10	4 5	11 4	9 5	2	2					9			
Kentucky Louisiana	7 3	46 19	. 612					2	6 1	5 4	3	1	12	3	9	2 3	3 6	1						5 1
Maine	3	56	. 604			Í			1	6	8	8	12	9	11		1			:-				
Maryland Massachusetts	36	648	. 586						1 1	10 9	7 76	128	169	5 100	1 96	36	16	4	5	6	$\frac{2}{2}$			
Michigan	21	278	643					1	16	16	30	29	42	43	33	33	14	11	6	2	2	1		
Minnesota	5	53	. 647						1	5	6	7	3	14	3	3	9	1	ĩ					
Missouri	16	159	. 657				1	5	9	10	16	14	13	14	8	6	53	9	1				i	
New Hampshire	6	54	. 641							$\frac{1}{3}$	5 6	7	21	5 50	9 41	6								
New Jersey	26 22	252 438	. 723			1			2	5	14	14 22	31 50	78	104	39 72	30 37	19 28	10 9	12	5			
New York Ohio		1.014	. 694					6	16	21	67	83	164	171	186	127	75	43	12	23	16	4		
Oregon	5	26	.772					0	10	21	01	- 00	104	1,1	8	6	5	4	1	20	10	1		
Pennsylvania	44	727	. 687			2	4	9	21	27	36	60	92	108	138	75	82	39	17	7	10			
Rhode Island	11	125	607					1	5	8	12	20	37	26	11	1	3		1					
Tennessee	3	40	, 608					2		3	8	3	3	5	15	1						!		
Texas	6	66	. 679							3	11	3	5	7	4	21	9	2			1			
Washington	4	40	. 779							;;-	····· <u>2</u> ·				37	19 36	15 17	3		3				
Wisconsin	14	266	. 695						1	11		28	45	69					5		3			
Total	414	5, 964	. 695		~-	2	7	29	95	190	417	516	867	875	916	738	627	313	143	102	115	10	_ 1	5 1
Lathe hands and operators, turret, male:				_		_																		
California	15	96	. 809									5	3	5	11	19	14	14	17	4	4	i	į.	1
Connecticut	16	91	.705								9	10	9	5 7	19	23	6	3	4	1				
Georgia	3	6	.448			1	1	1	1	1							1							
Illinois	23	432	. 720					4	12	21	34	39	37	43	40	42	46	56	19	19	20			ļ
Indiana	6	80	. 608]					1	9	14	13	18	12	5	2	4	1	1		-			
Iowa	5	38	. 542					2	4	4	10	9	4	5 2	_i -	;-	-						ļ	
Kansas Kentucky	2 6	42	. 631				1	3	11	12	6	3	3	2	1 1	1							1	

Louisiana	2 2 3	16 11	. 528 . 563 . 717		 		<u>-</u> -	1 2	1 1	5 1	2	1 3 1	<u>2</u> 2	1 1	2		 	-		i		
Massachusetts Michigan Minnesota Missouri	30 25 3 11	254 383 9 40	.670 .674 .601		 	1	13	18	9 26 2 6	16 38 1 5	40 30 2 3	50 43 2	48 30	33 34	35 36 2	13 78	7 13	3 17	3			
New Hampshire New Jersey New York Ohio		23 134 230 448	. 641 . 713 . 681		 			1 11 10	2 19	5 7 1 9	3 12 20	2 3 19 25	$\begin{array}{c} 2 \\ 3 \\ 26 \\ 31 \end{array}$	23 34	2 18 27	6 1 10 14	3 2 8 14	1 5 6	1 6	5 2	$\frac{1}{2}$	
Oregon Pennsylvania Rhode Island Tennessee	3 40 11 3	569 33	. 728 . 672 . 599 . 562		 1 1 	1	3 5	31 2 3	11 21 4	43 44 2 1	76 36 8	81 59 6	72 78 8	51 6 106 2	34 3 87	28 	13 28	10	5	5 1		
Texas Washington Wisconsin	6 4 11	41 21 137	. 648 . 796 . 676		 			2	3 7	6	1 1 20	1	3 7 26	2 9 2 21	10 4 14	2 12 12	3 3	3	1			
Total ²	343	3, 167	. 675		 4	8	39	115	159	277	334	388	416	406	361	307	168	95	46	41	3	
Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio	5 24 13 8 28 12 8 5 5 4 7 27 25 6 13 8 31 1 196	45 239 198 67 356 147 40 28 24 58 41 186 217 123 117 185 150 278	.708 .844 .739 .677 .794 .650 .618 .688 .675 .866 .620 .686 .702 .736 .679 .745 .679				1	1 2 2 2	4	1 9 3 6 9 4 2 2 7 3 7	1 12 4 9 17 7 1 1	5 2 255 8 466 36 11 3 3 7 29 89 32 2 3 13 466 10 18	6 1 32 28 52 38 6 11 6 75 95 35 95 12 15 34 23 56	12 14 40 6 48 19 9 8 10 	16 36 29 14 37 14 2 4 1 33 85 36 7 6 14 32 220 32	3 83 22 1 32 4 	1 52 11 2 21 2 	27 9 15 2 3 1 5 16 1 2 10 3 3	6 1 10 1 2 3	6	1 1 2 2 1	
Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	6 31 13 8 9 7 12	27 296 168 79 73 61 137	. 833 . 734 . 593 . 762 . 830 . 788 . 733		 			2	5 11	8 32 2 5	14 40 1 1	33 47 3 2	39 22 3 5	68 9 13 6 6 41	9 62 4 27 14 33 25	9 22 1 23 13 14 16	6 16 12 2 6	1 14 1 6 5 5	2 1 1 2 1 2	10 1 11		
Total	395	3, 794	.728	<u> </u>	 		1	9	28	122	207	523	640	617	597	474	222	129	44	173	8	

² Including data for 1 establishment for which details are not shown.

[•] Over \$2 per hour.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	Number of—		Number of employees whose earnings per hour were—																				
Occupation, sex, and State	Estab- lish- ments	Em- ployees	Aver- age earn- ings per hour	Un- der 20 cents	un- der 25	25 and un- der 30 cents	un- der 35	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	60 and un- der 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	75 and un- der 80 cents	un- der 85	der 90	un- der 95	95 cents and un- der \$1	and un- der	\$1. 25 and un- der \$1. 50	and un- der	un- der
Machinists' and toolmakers' helpers, male: Alabama. California. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas. Kentucky. Louisiana. Maine. Maryland. Massachusetts. Michigan. Michigan. Missouri. New Jersey. New York. Ohio. Oregon. Pennsylvania. Rhode Island. Tennessee. Texas. Washington.	9	14 94 162 22 11 566 24 9 53 77 28 73 96 209 159 71 159 71 159 41 18 205	\$0. 332 .608 .499 .292 .582 .491 .400 .433 .448 .523 .449 .5563 .516 .516 .516 .527 .501 .611 .611 .611 .612 .631 .631 .631 .631 .631 .631 .631 .631		1	1	6 2 1 1 1 1 9 3 3 3 2 3 3 2 3 3 2 2	4 2 2 2 1 5 10 1 2 3 6 4 4 3 2	2 2 46 9 7 3 14 1 1 1 1 3 5 5 8 42 2 2 1 8 42 10 10 10 10 10 10 10 10 10 10 10 10 10	1 34 23 2 2 5 2 12 3 30 15 12 9 6 13 42 45 20 6	10 31 25 7 10 10 1 4 2 9 34 13 2 2 6 37 7 7 3 1 14 2 2 2 4 1 1 1 1 2 2 4 1 1 1 1 1 1	31 29 16 1 5 3 6 19 4 29 25 18 4 18	31 8 24 4 1 2 2 1 6 9 6 8 17 7 3 11	15 4 16 	3 18 3 1 1 2 3 1 1 2 1	9	3		1					
Total 1	269	1, 671	. 510		2	11	32	65	262	351	402	222	155	103	43	15	6		2					
Milling-machine hands and operators, male: Alabama. California. Connecticut. Illinois.	2 13 16 25	6 57 147 375	. 667 . 836 . 638 . 761				1	1	2 4	13 8	20	1 1 21 21	2 4 23 30	1 1 20 38	4 17 43	2 9 16 54	10 5 58	10 5 37	9 1 32	4 2 16	5 1 16	1		

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Indiana Iowa Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	13 3 5 2 3 3 3 22 3 10 7 7 21 19 70 39 9 2 2 3 3 15 15 15 15 15 15 15 15 15 15 15 15 15	71 23 12 18 13 343 124 13 22 28 36 678 401 5360 91 8 4 10	. 611 . 519 . 589 . 622 . 575 . 707 . 676 . 631 . 707 . 603 . 681 . 730 . 735 . 652 . 680 . 602 . 506 . 506 . 802		1 4	1 3	4 1 2 5 1	1 1 2 2 8 1 5 13 6 3	11 4 	10 4 1 1 16 12 2 3 2 8 54 28 15 2 1	14 4 1 3 46 15 1 3 3 5 15 75 31 21	14 5 2 4 1 51 21 3 2 4 4 8 8 37 89 35 17 3 1	5 	1 4 78 9 1 1 1 9 10 89 77 72 11	2 54 15 1 57 42 51 3 5	1 1 14 8 3 11 53 36 32 1	1 2 2 1 1 8 21 15 15 15 1 1 2 9	1	1 2 3 11 2 4	1 3 2 7 2 4	1	1	
Total 3	343	2,872	. 685	 	5	7	18	52	133	209	297	378	429	443	334	253	130	92	46	43	2	1	
Pattern makers, male: California Connecticut Georgia Illinois Indiana Kentucky Louisiana Maryland Massachusetts Michigan Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin Total ²	11 12 3 25 7 7 3 3 3 16 7 7 5 5 17 11 43 3 29 10 3 4 4 8	444 96 9 149 17 4 5 5 6 57 11 15 7 77 140 191 197 204 57 7 7 117 95	. 991 . 818 . 771 . 906 . 735 . 701 . 892 . 776 . 839 . 920 . 830 . 920 . 930 . 967 . 791 . 766 . 755 . 846 . 754					1	3	1 1 	2 2 	8 4 4 4 9 1 1 2 8 10 3 2 2 2 . 7 62	8 18 3 3 4 2 1 1 1 1 1 1 2 13 5	10 1 12 4 1 1 2 13 1 1 1 4 3 3 18 1 28 12 2 2 3 13 13 13 13 14 15 18 18 18 18 18 18 18 18 18 18 18 18 18	6 4 14 1 1 5 5 3 3 9 9 5 22 27 5 1 1 25 131	1 11 1 1 29 1 1 1 1 1 1 1 0 4 4 25 28 1 42 15 15 16	5 14 1 24 1 1 1 3 5 2 2 2 1 8 18 27 22 10 	9 20 1 3 3 3 1 1 1 23 4 1 3 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1	12 19 11 1 1 1 18 19 5 11 1 1	29 4 3 2 3 27 34 22 5 14 2 2 2 10 1 1 158	1 1 2		
					===	===								===	101		109	100		100	===		

Including data for 2 establishments for which details are not shown.
 Including data for 1 establishment for which details are not shown.
 Including data for 3 establishments for which details are not shown.

Table B.—Average and classified earnings per hour in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Number of—		Aver-	Number of employees whose earnings per hour were—																				
Occupation, sex, and State	Estab- lish- ments	Em- ployees	per	Un- der 20 cents	un- der 25	un- der 30	30 and un- der 35 cents	35 and un- der 40 cents	40 and un- der 45 cents	45 and un- der 50 cents	50 and un- der 55 cents	55 and un- der 60 cents	and under 65 cents	65 and un- der 70 cents	70 and un- der 75 cents	80	80 and un- der 85 cents	85 and un- der 90 cents	un- der 95	95 cents and un- der \$1	and un- der	and un- der	\$1, 50 and un- der \$1, 75	and un- der
Planer hands and operators, male: Alabama. California. Connecticut. Georgia Illinois. Indiana Iowa	14	6 41 148 10 135 34	\$0. 747 . 819 . 723 . 453 . 862 . 658 . 654					4	3	3 1 1 3	9 1 3 1	15 2 2 2 2	15 15 11 5	1 34 1 12 11 11	2 7 17 12 6 3	1 9 19	2 7 11 	7 17 14 1	5 3 15 1	4 3 6 1	1 2 35	3	I	
Kansas. Kentucky Maine Maryland Massachusetts Michigan Minnesota	6 4 3 2 31 12 5	6 13 12 8 177 46 9	. 550 . 688 . 613 . 618 . 703 . 687 . 635						1 1 1	3	1 5 3	19 6 2	2 3 4 42 8 3	2 1 1 35 10 2	4 1 1 31 6 1	1 2 1 1 23 2	2 5 4	7 3	3	1 2	4	1.		1
Missouri New Hampshire New Jersey New York Ohio Oregon	10 5 23 21 68 3	48 12 71 174 462 4	. 726 . 613 . 782 . 773 . 740 . 779						1	1 7	7 3 21	6 4 8 29	5 9 6 51	1 3 9 24 58	12 40 87	1 6 27 80 2	25 14 24 46 2	9 16 24	1 2 9 25	6 12 17	4 4 13	2	1	
Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	42 11 3 3 4 11	254 36 6 3 7 87	. 770 . 636 . 667 . 657 . 784 . 703						1	5 3 4	5	13 3 1	33 6 2 1	27 5 1 15	35 8 2 1 	25 3 1 4 8	47 1 2 11	25 1 1 1 4	16	9	13	1		
Total ²	339	1, 818	. 742					5	10	32	70	125	221	254	288	227	218	133	85	63	77	7	2	1
Screw-machine hands and opera- tors, male: Alabama California Connecticut	2 3 9	4 7 69	. 595 . 700 . 686						 1		1 2 8	1 1 3	9	2 16	<u>9</u> -	2 14	1 5	1 2	<u>-</u>					

Illinois Indiana	18	116 11	. 7 40		[-			1	3	3	7 2	13	11 3	8	14	13	19	6	4	7 [4	1	2	
Iowa	2	6	. 503					2			1	3	ა		1									
Kentucky	3	8	. 461					ĩ	3	2	1	l "		1					'					
Maine	ž	4	. 562					-		-	2	i	1	1										
Massachusetts	26	115	. 673			(1	4	20	25	20	20	11	12	;-				-	;	
Michigan	15	68	. 731							4	6	6	4	3	7	10	16	7	i		4			
Missouri	4	7	. 495						2	-	2	3	-	٥	' '	10	10	'	1		*			
New Hampshire	2	7	. 679						_		-	2		3	1		1							
New Jersey	12	30	. 660							1	3	1	8	5	2	1	2	3					j	
New York	14	170	. 700				-		11	2	5	14	23	30	48	23	11	2	4	<u>-</u> -	5			
Ohio	49	432	. 661						6	18	32	66	69	84	80	47	15	14	5	2	3			
Pennsylvania	21	287	. 644				<u>î</u> -	8	14	22	29	31	22	37	68 53	28	23	9	6	í	3			
Rhode Island	ĩî	62	. 573					1	4	4	14	16	11	5	5	20	1	9	וס	1	- 3]	
Wisconsin.	13	104	. 617					1 1	1	7	13	19	34	11	10	4	4	1						
***************************************			. 021							· ·	10	15	34	11	10	*	*	1						
Total 1.	213	1,520	. 664			1	1	17	35	64	133	208	220	227	238	155	110	49	25	13	21	1	2	
				:																				====
Toolmakers, male:						1		ĺ		l			İ				i !		1	i		i	1	
Alabama	2	8	.746											1	3	1	3							
California	15	56	. 867					Í							j 2	6	10	9	14	8	7			
Connecticut	18	115	. 735				- -	l				5	12	11	22	37	20	5		3				
Georgia	4	6	. 717						 					2	3		1							
Illinois	24	300	. 818			-				Í		3	13	21 16	50	57	37	25	37	23	33		1	
Indiana	13	77	. 703								1		13	16	28	10	8		1					
Iowa	3	11	. 642								1	1	1	7	1									
Kansas	2	2	. 642						1	l					l				1					
Kentucky	6	12	. 706								1	1	1	2	4	1	1				1		1	
Maine	4	16	. 614			İ						3	8	1 4	1									
Maryland	4	42	. 701						1		-	1	1	16	9	12	2							
Massachusetts	35	283	. 723									2	35	48 16	88	71	20	12	4	1	2			
Michigan	24	202	. 809							1	1	2	11	16	16	30	38	39	28	10	9	1		
Minnesota	3	11	. 668				- -			1		1	2	2	3	1	1				_ ·	_		
Missouri	12	27	. 744								1	1	4	1	3	6	ī	9			1			
New Hampshire	5	20	. 805	İ			. .						1		2	6	4	5	1		1			
New Jersey	17	85	. 789					l					2	7	21	15	11	16	7	1	5			
New York	20	407	. 818	l								2	11	20	56	52	102	42	72	28	22			
Ohio	64	607	. 726							2	23	39	105	85	82	97	67	47	34	18	5	3		
Oregon	2	3	. 876													1		i	1		ĭ	1		
Pennsylvania	38	276	. 722	l			1	3	2	1	4	6	27	41	72	57	37	14	7	3	î			
Rhode Island	11	109	. 708								2	10	17	21	18	14	17	-8	i i !		î			
Tennessee	3	9	. 723		}								-i	-î	4	2	i	,			-			
Texas	6	13	. 712								1	1		3	2	- <u>2</u>	2	2						
Washington	4	6	. 837			I		L		l	l	l		l	-	-	- 1	ī	1					
Wisconsin	14	159	. 702						1		2	10	20	41	48	21	11	3	î					1
m									<u> </u>															
Total 2	354	2, 863	. 756				1	3	5	5	3 8	88	2 85	366	538	499	398	238	209	95	89	4	1	1
				<u>. </u>					i	<u> </u>	<u> </u>			!	<u> </u>							<u> </u>		

² Including data for 1 establishment for which details are not shown.

^{*} Including data for 3 establishments for which details are not shown.

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State FOUNDRIES

	Numb	er of—	Aver-			1	Number	of emplo	yees who	ośe full-ti	me hour	s pe r w ee	ek were-	-		
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age full- time hours per week	Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	5 5	Over 55 and under 60	60	Over 60
Dhippers and rough grinders, male:	2	23	54. 6								10		13			
California	21	101	46.6		38	. 9	49			5		i!				
Colorado	3	40	45.3		28		9	3	-							
Connecticut	16	114	51.0	4		4	17		60		10		5	7	7	 -
Georgia	4	38	57.5						8				3		27	
Illinois	24	293	48.6		1	113	82	12	7	10	60				. 8	
Įndiana	13	166	51.5				61		53	11	11	- 	-		30	
Iowa	11	70	53. 3			10	11		2		28			5	11	1
Kansas	8	38	54.0								38					
Kentucky	5	20	51. 8	1		5			7						7	
Louisiana	3	34	47. 5		26									5	. 3	ļ
Maine	3	24	52. 0		4	<u>-</u> -			-2		18	ļ -				
Maryland	. 7	37	52.8			7	6				15 60		;		9	
Massachusetts	28 38	378	49.8			2	151		161 138	3			20		29	
Michigan	38	380	51.5	1		43	29	6	138	25	84 37		20		29	
Minnesota		43	54.0					3		1	39		;-		2	
Missouri	11	51	52.8				1 7	4			39 · 5		2			
New Hampshire		27	50.0		ļ <i>-</i>		15 77		5				2	3		;
New Jersey	17	250	51.5				77		72	31	50 41		51	3		1
New York	23	296	50.4			90 24	118	26	31 18	3	132		88 88		79	
Ohio	50	486	52. 7		13	24 5	118	20	18	9	132		- 00		13	
Oregon.	7	23 470	45. 0 51. 8		13	11	98	4	83	22	95	52	96	3		
Pennsylvania			51.8	5	1	11	98	4	65	43	12	32	90	9		
Rhode Island		120 33	49.3				13		19	40	12					
Tennessee	4	22	49. 3 52. 3				13		11		6				3	
Texas	5 7	22	47. 7			1	23		11		0					
Washington	13	254	51.9		Į 2	1	23		115	72	30		35			
Wisconsin	13	204	51.9						110	12	04					
Total	379	3, 857	51. 1	11	117	324	849	58	857	226	784	52	315	23	216	2
Dana malang malas	-			1												1
Core makers, male:		19	54. 2	!						6	7		6	j		
Alabama.	3 21	117	45.6		69	10	35			3	•		0			
California	3	20	45.8		11	10	9			"						i
Connecticut.	16	96	49.7	7		2	16		25		11	j	7	4	6	

Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	7 26 16 16 16 18 5 5 5 5 5 12 2 4 51 7 7 2 38 8 7 9 9 7 13	31 227 170 170 175 155 155 155 155 155 155 155 155 155	53. 5 49. 7 51. 0 53. 9 54. 0 47. 8 50. 0 49. 8 50. 5 49. 1 53. 2 50. 7 50. 7 50. 7 50. 4 50. 50. 4 50. 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 50. 4 50. 4 50. 4 50. 4 50. 4 50. 50. 4 50. 4 50. 4 50. 4 50. 4 50. 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 4 50. 50. 4 50. 50. 4 50. 50. 4 50. 50. 50. 50. 50. 50. 50. 50. 50. 50.	23 4 2 	8 3 3	78	12 106 33 11 106 31 31 25 30 3 25 75 4 4 4 212 20 9	6	17 25 39 1 4 2 34 123 30 18 30 118 35 20 7	37 2 12 	1 775 13 3 27 15 27 15 4 4 18 18 66 64 41 26 66 2 30 31 117 33 11 1 2 2	-		3	8 6 20 14 1 2 2 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	7
Total 1	401	3, 040	50. 4	66	130	172	898	40	607	188	559	32	197	24	120	7
Core makers, female: Illinois. Indiana Kentucky Massachusetts Michigan New Jersey New York Ohio Pennsylvania Rhode Island Wisconsin	4 2 2 2 7 4 7 2 3 2 4	52 18 5 3 55 49 54 14 29 7	48. 9 50. 0 47. 0 48. 0 51. 3 49. 1 45. 1 45. 7 48. 5 50. 9 46. 9		8	3	39 3 23 5 6 22	14	8 18 2 37 26 4	2 10						
Total	41	324	48. 4	19	28	15	99	18	107	12	26					
Laborers, male: Alabama. California. Colorado. Connecticut. Georgia. Illinojs.	4 20 2 16 7 28	67 258 24 490 165 902	54. 0 48. 4 51. 7 53. 4 53. 5 50. 5	25	112	20	1 83 9 33	12	1 199 80 34	26 15 1	21 14 63 14 332		19 42 20 8	25 19	1 89 32 43	26 12

¹ Including data for 2 establishments for which details are not shown.

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued FOUNDRIES—Continued

	Numb	er of—	Aver- age full-	_		1	Number	of emplo	yees who	ose full-ti	me hour	s per wee	k were-	-		
Occupation, sex, and State	Estab- lish- ments	Em- ployees	time hours	Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Laborers, male—Continued. Kansas Kentucky	6 4	28 23	53. 7 47. 5	4		14			2		26				3	
Louisiana Maine Maryland	4 3 7	34 39 135	51. 6 53. 0 53. 1		16 8	17	17		3		$\begin{array}{c} 2 \\ 19 \\ 79 \end{array}$			8	8 9 22	
Massachusetts Michigan Minnesota Missouri	28 39 5 12	695 1, 521 105 145	50. 7 52. 3 54. 3 51. 8	2 4		107	255 30 46	24 17	239 437	210	162 313 65 88		132 8 2	3 1	22 209 6	54 9
New Hampshire New Jersey New York	6 17 25	31 705 741	47. 4 53. 2 52. 0	7 2		114	12 47 169		9 338 83	33 23	3 211 127		65	14 24	6 104	56 30
Ohio Oregon Pennsylvania Rhode Island	52 7 40 8	1, 237 53 1, 602 193	54. 2 45. 3 51. 3 52. 2	7	7 26 8	12 12 12	191 15 576	111 5	126 298 106	14 32 42	286 253 26	55	115 243 12	31 42	286 50 1	51 14
Tennessee	7 9 6	87 196 55	50. 0 51. 4 47. 1		12		17 96 43		61 17	20	9 36				27	
Wisconsin Total	401	461 11, 017	53. 5 52. 1	79	217	496	2, 153	178	2, 511	145 637	2, 284	55	798	198	1, 087	324
Molders, hand, bench, male: California. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas. Kentucky. Louisiana Maine.	18 13 4 22 14 7 6 5	60 111 34 134 109 53 8 11 4	45. 5 54. 2 56. 0 49. 9 50. 8 53. 8 53. 5 49. 1 52. 0	5 4 1	39 6 9	4 4 5 18 3 10	14 4 39 40	4	7 7 7 1 35 1 1 3	3	41 43 2 28 7		5 1	7	32 21 5 13 14	
Maryland Massachusetts	6 27	31 295	52. 2 53. 4 49. 0		1	2 77	5 100		3 44		19 73				5 1	

4 6 6 15 20 43 5 28 8 4	36 18 25 73 157 237 8 185 57	53. 4 52. 2 51. 7 49. 4 50. 3 49. 1 45. 7	1 29	3	3	2 3 29	3		2	31 11						
15 20 43 5 28	73 157 237 8 185	49. 4 50. 3 49. 1 45. 7	29					7 1	1							
20 43 5 28	157 237 8 185	50. 3 49. 1 45. 7	29			90.1).		11		3			-	
43 5 28	237 8 185	49. 1 45. 7	29			45 1.		29	10	2	[.	[
5 28	8 185	45.7	29		29	57		.3		29		39				
28	185	45.7			3	69	21	61).		39		3		9 [
8 4				3	2	3 .					.					
4		52. 0	6		11	36	3	43	1	16		33	36			
4		50.7					1	44	5	7						
	34	49. 3				12		22							-	
91				[4 .	·		8	3					-	
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11	50	32. 3						13		4						
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9	44	53. 8						2		42			•			Ė
7	35	49.3	5		8	2		13						7		
5	41	50.3		23						2			9	7		-
4	35		1	16				14		5						2
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					64			68		19	! 		!	6		-
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										5						
								15	13	12						
				17	4	40			105	10						
12	1/0	49. 9						34	109	16		21				
402	5, 375	49. 9	149	293	414	1, 633	136	900	316	958	39	294	51	192		
	4 19 3 16 7 28 15 11 9 7 5 4 4 7 27 33 4 4 7 27 33 16 27 4 7 7 4 7 4 7 7 4 7 10 10 10 10 10 10 10 10 10 10 10 10 10	11 50 324 2,063 4 53 19 205 3 49 16 244 17 68 28 361 15 288 11 130 9 44 7 35 5 41 1 4 35 7 96 27 367 33 417 4 45 12 146 8 49 16 225 320 17 83 17 96 18 96 19 96 10 97 96 10 97 96 10 98 10 99 96 10 96 10 97 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 96 10 97 97 97 97 97 97 97 97 97 97 97 97 97	4 11 46.5 11 50 52.5 324 2,063 50.5 4 53 54.1 19 205 45.5 3 49 45.5 16 244 49.4 7 68 53.4 15 288 50.9 11 130 52.9 11 130 52.9 11 130 52.9 4 53.8 50.9 11 130 52.4 4 53.4 49.3 7 35 49.3 4 35 47.8 43 43.4 43.4 44 45 52.4 4 45 52.4 4 45 52.4 4 45 52.4 16 262 50.4 49.2 49.2 51 82 50.7 7	4 11 50 52.5	4 11 50 52.5 4 324 2,063 50.5 51 67 4 53 54.1	4 11 50 52.5 4	4 11 50 46.5	4 11 50 52.5	4 11 50 52.5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	4 11 50 52.5	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Including data for 1 establishment for which details are not shown.

Molders, hand,

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued

FOUNDRIES—Continued

Number of-Number of employees whose full-time hours per week were-Average fulltime Over Occupation, sex, and State Over Over Over Over Estabhours Em-Over Under 50 and 54 and 55 and 44 and 48 and lishper 44 under under under under under 60 ployees ments week 55 60 48 50 54Molders, machine, male: California 16 Colorado 45, 0 Connecticut_____ 111 54.5 Georgia. 17 54.1Illinois..... 13 217 50.5 12 336 50.110 Indiana 68 Kansas 12 Kentucky.... 29 Maryland 4 325 Massachusetts.... Michigan 21 456 25 28 Minnesota 3 3 Missouri 2 19 New Hampshire..... 15 220 11 52, 5 13 New Jersey 17 312 New York 47.5 25 247 39 15 27 50.1 Ohio..... 26 7 Pennsylvania.... 214 49.7 17 3 82 43 17 41 101 51.8 44 Rhode Island Tennessee..... 3 19 Texas.... 11 288 192 Wisconsin____ 131 220 3, 102 1,001 Molders' helpers, floor, male: Alabama 53 46.0 California 11 10 5 3 59 12 82 50.0 31 ------Connecticut 5 51 54.6 Georgia 17 102 50, 5 10 14 16 Illinois____ Indiana____ 10 7 103 49.3 12 24 52.0 1 Iowa....

Kansas____

Kentucky Louisiana Maryland Mussachusetts Michigan Minnesota Missouri New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas: Washington Wisconsin	7 5 4 4 20 112 3 9 9 17 24 4 6 6 8 5 5 7	20 52 21 198 108 30 99 106 80 207 16 224 10 66 38 22 38	47. 4 48. 8 50. 0 52. 2 51. 4 53. 4 53. 0 52. 7 50. 8 52. 8 45. 6 45. 6 47. 0 52. 4	3	35 2 7 3	8 8 8 11 8 3 5	1 5 41 10 16 9 26 70 6 66 40 11 15	5 4 2	34 11 10 54 8 25 13	1 34 2 2 8 8 9 2 2 9 2 9	1 5 25 7 24 76 57 26 54 16	31	5 30 4	7	2 9 3 3 3 17 17 17 5 5	1 4 6 15
Total 2	247	1,820	51.2	20	116	84	409	52	296	121	446	31	122	21	76	26
Pattern makers, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Jersey New York Ohio	3 11 2 4 4 12 10 8 8 8 8 2 2 2 2 2 2 2 2 2 3 3 3 3 3 3 3	17 33 4 18 15 139 89 17 11 3 14 20 154 139 25 35 8 137 115	54. 0 45. 7 44. 0 55. 6 57. 6 48. 8 50. 1 51. 6 52. 9 49. 3 47. 9 48. 8 50. 1 50. 0 50. 1			6 10 6 27 31 33 3	14 92 28 3 	8 24	2 2 2 13 47 3 1 1 9 83 61	9 16 1	11 9 1 12 4 6 1 11 3		2 2 3 3 3 	9	1 10 2 2 1	5
Oregon. Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	30 30 5 4 2	161 11 13 6 7	46. 5 51. 0 51. 0 49. 5 51. 3 45. 1 52. 3	3	3 2 5	3	5 28 5 2 2	3	55 6 7 1	11 5 	18	14	19	5		
Total 2	259	1, 512	50.3	4	59	88	346	56	503	165	111	14	99	36	26	

² Including data for 1 establishment for which details are not shown.

⁸ Including data for 3 establishments for which details are not shown.

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued MACHINE SHOPS

	Numb	er of—	Aver- age full-]	Number	of emplo	yees who	ose full-ti	me hour	s per wee	k were-	-		
Occupation, sex, and State	Estab- lish- ments	Em- ployees	time hours per week	Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
ssemblers, male:							ļ				2		20			}
Alabama	2 14	22 146	54. 9 45. 9		60	21	61	4					20			
California Connecticut	18	324	51.1		00	21	64	7	169		13		71		7	
Georgia	2	7	53. 6							4			3			
Illinois	31	860	50.4		38	10	116	105	325	166	27		64		9	
Indiana	14	325	51.6				l		159	142			16		8	
Iowa	9	89	51.9		4	5	1		27		6		44	 -		1
Kansas	3	40	49.9				32		2			!!			6	
Kentucky	6	76	48.0		6	9	34	i	27							
Louisiana	2	2	59.0											1	1	
Maine	3	22	47.8		8				14							
Maryland	5	41	48.0			8	18		15				-			
Massachusetts	9	241	48.4				193 115	4	48 194	109	14		46		22	
Michigan	24	504	51. 0 50. 0				113	62	194	109	14		40			
Minnesota	.5	68 134	52. 0				26	14	16	1	58		19	\		
Missouri	15 4	134	50.0				20	14	16	, ,	00		19			
New Hampshire	26	480	49.1		2		211	2	253	11	1				ļ	
New York	20	976	48.3		13	412	399	-	91	1 7	24		30		1	
	22 72	1, 718	49.7		13	161	478	243	509	203	17	6	99			1
OhioOregon	5	30	45. 2		21	101	9	210	000	200				1		
Pennsylvania	42	1, 187	51.3			7	292	43	363	106	58	7	168	128	11	
Rhode Island	10	143	50. 5				1 -0-	10	104	39		1				
Tennessee	2	30	48.0				30									
Texas	5	67	51. 3				8		33		26					
Washington	4	34	47.6		1	10	23							}		
Wisconsin	$1\overline{4}$	437	52, 1						140	233		l	62			
,,								·		<u> </u>				<u> </u>		
Total	368	8, 019	50. 1		155	643	2, 110	477	2, 505	1,021	246	13	648	129	64	
Boring-mill hands and operators, male:						1					_	1	9	}		
Alabama	2	14	54.6			[<u>-</u> -					5		9	ļ		
California	15	63	45.8		29	7	25 14	2	70				16			
Connecticut	16	109	50.8				14		76	3			20		1]
Georgia	4	7	53.9					56	1 53	13	21		26		11	
Illinois	30	253	50.0		4 3	2	28	90	93 11	15	21		20		11	
Indiana	9	130 19	51. 9 53. 0			1	2		6	19		{	10		1 4	

	Kansas	3 !	6 !	51. 0	ı	I	,	1 4	, ,	! 1	, ,	1 1				1 1	
	Kentucky	4	8	45.8		4	2	*		9		-					
	Louisiana	3	6	51. 3		3	-			-						1	
	Maine	š	10	46. 4		6				4					-		
	Maryland	3	4	48. 5		1		3		i							
5	Massachusetts	27	110	48. 4		10	12	34		50	3						
5	Miehigan	15	84	51.9		1 .0	1	8	5	31	11	13		12			
3	Minnesota	3	15	49. 5				1	15	0.		10		12		4	
ì	Missouri	11	52	50. 5				26	5		1	18					
3	New Hampshire	4	6	50. 3				3	"		- 1	10		2			
	New Jersey	25	119	49.4) 	2		31	ī	84		1					
2	New York	21	208	49. 2		-	34	109	1	39	4	1		14			-
5	Ohio	74	514	51. 4		5	62	96	57	80	69	25	9	62	7	25	17
	Oregon	4	12	44. 3		111	02	1	37	00	09	20	9	62	' '	. 25	17
	Pennsylvania	42	334	51.8		111	3	64	15	117	23	28			9	17	5
	Rhode Island	9	33	50.7			, 3	04	13	18	25 15	28	9	44	9	17	ð
•	Tennessee.	2	8	48.5				6		10	10						
	Texas	5	6	51.0						2							
	Washington	3	15	47.8	ļ		5	10		3		2					
	Wisconsin	14	163	53. 2			3	10		39							
											95			12	5		12
	Total	354	2,208	50.7	l. .	113	128	465	156	618	252	120	18	212	23	66	37
_																	
Dri	ll-press hands and operators, male:	i			l		ļ						1				
	Alabama	2	26	54. 9								3		23			
	California	18	115	45. 5	1	67	7	37	4								
	Connecticut	17	155	51. 2	l			11		99		19		26			
	Georgia	3	12	52. 3						4	5			3			
	Illinois	34	733	48.7		223	6	70	45	255	71	16		33		14	
	Indiana	14	168	51.0		3	10			103	36			5		11	
	Iowa	7	78	53. 3		1	3	2		23		1		41		5	2
	Kansas	6	15	51.7				4		4		6				1	
	Kentucky	7	21	46.3	1	4	9	4		4							
	Louisiana	2	5	59.6	l										1	4	
	Maine	2	22	48.1	l	7				15							
	Maryland	5	51	48.6	l			36		15							
	Massachusetts	37	349	49.3		7	9	118		192	9			13		1	
	Michigan	29	327	51. 2			l	34	6	203	9	4	2	56		13	
	Minnesota.	5	35	50. 2					31					3	1		
	Missouri	17	89	51.6				22	14	7	1	35		10			
	New Hampshire	7	22	48.9		 		14		7		1					
	New Jersey	28	205	49.6	l	1		43	1	154	4	2					
	New York	23	413	48.7		3	82	233	1	63	12	7		10		3	
	Ohio	79	755	50. 5		1	58	176	100	216	89	25		66		13	11
	Oregon	6	18	45.3		12	7	6	1								
	Pennsylvania	43	682	51.2			7	178	23	238	31	33	2	92	58	17	3
	Rhode Island	12	109	50.4						83	26	•••	- 1				•
	Tennessee	4	26	48, 5				20		6							
	Texas	$\tilde{6}$	29	48.6			14	3		10		2					
	Washington	š	24	47. 3		2	9	13		-0		- 1					
	Wisconsin	15	275	53. 1			l	l		69	159			22	5		20
	Total				1	901		1 00:	20:								
	10041	433	4,759	50. 1		331	214	1,024	224	1,770	452	154	4	403	65	82	36
	ž				,	=						· · · · · · · · · · · · · · · · · · ·					

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of—	Aver-			1	Number	of emplo	yees wh	ose full-ti	me hou	rs per wee	ek were-	-		
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age full- time hours per week	U n der 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
itters and bench hands, male:	2	12	54. 6								5		7			
California	17	197	45.3		136	1	51	9								
Connecticut	. 11	277	50. 9						225		26		24		2	
Georgia	2 24	19 562	59. 7 49. 3		124		133	48	93	65	19		1 74		18	
Illinois Indiana	10	131	48.8		124	45	133	40	95 55	7	19		16		1	
Iowa	4	38	52. 9		4	10	3		3	ii.l			28			
Kansas	4	12	54.2		1						9				2	
Kentucky	. 5	29	47.5		13	1	6		6					3		·
Maine	. 2	63	44.8		55				8							
Massachusetts	35 25	1,100 489	47. 4 50. 7		18	51	303 47	16	603 294	99 96	15		$\frac{10}{22}$		14	
Michigan Minnesota		12	49. 5				4.1	12	294	90			22		14	
Missouri		64	53.3				6	2			54		2			
New Hampshire		72	48. 2				64		8							
New Jersey	25	378	49.3		2		123	2	241	10						
New York	_ 20	922	48.4		3	66	750		44	13	30		16			
Ohio	62	856	50.0	ļ	1	55	251	190	141	75	70		68	4		er.
Oregon		952	44. 5 51. 7		7	17	265	60	210	24	27	i	98	227	18	
Pennsylvania Rhode Island	6	114	50.4			17	205	00	87	27	21	1	90		10	i .
Tennessee	3	20	42.0				10		10							
Texas	2	6	53.0				i		•		5					
Washington	3	31	47.5			17	14									·
Wisconsin	. 13	293	52. 6						47	194			52	'		
Total 2	332	6, 661	49. 5		371	253	2, 032	339	2, 075	610	260	1	418	234	61	
rinding-machine hands and operators,						-										
male:	1]													
California	_ 10	47	50.8		13	2	16	13							3	
Connecticut	. 15	122	51.4				3		84		4		30		1	·
Georgia	. 2	5	51.0						4				1			
Illinois	24	412	49. 5		72	19	41	21	138	72	22		25		2	
Indiana Iowa	11 5	93 38	50. 4 53. 2			2			74 14	16	2	}	16		2	

Kansas Kentucky Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Pennsylvania Rhode Island Washington	2 3 2 2 34 21 2 10 3 15 15 61 31 9	3 4 8 17 185 173 14 27 13 84 185 390 217 129	49. 8 47. 0 50. 0 52. 5 49. 7 50. 8 49. 9 53. 1 48. 3 49. 0 48. 3 50. 1 50. 0 50. 3 47. 4	12	36 11 1	2 1 6 56 9 4 11 44 123 101 103	26 13 1 1 120 8	78 83 1 2 37 15 85 51 110	15 35 35 25 20 19	1 14 4 6 5	15	11 21 3 1 7	1 12	12 2	1
Wisconsin	14	98	52. 5	 				30	40			28			-
Total	298	2, 285	50. 1	 102	82	526	202	816	252	58	16	189	13	26	3
Laborers, male: Alabama California Connecticut Georgia Illinois Indiana Lowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington	6 21 16 8 32 15 5 4 4 6 6 36 8 22 3 80 23 84 4 12 2 8 11 6	53 194 202 71 1,009 319 75 26 225 40 33 35 841 1672 103 158 43 373 871 1,225 21 1,182 121 1,182	54. 5 45. 9 50. 9 51. 2 53. 5 53. 6 46. 1 54. 9 48. 4 49. 6 49. 7 51. 3 49. 8 52. 2 50. 3 48. 8 50. 6 51	6		44 466 99 173 1 2 2 2 43 170 84 33 12 108 534 292 6 288 36 31	25 55 	2 154 28 395 204 23 5 601 351 1 22 23 34 248 335 73 94 248 355 73 665 74 75 765 765 765 765 765 765 765	3 1 6 96 62 24 67 7 7 18 13 110	17 1 8 8 1 21 2 21 	23	26 2 30 30 39 39 20 37 13 13 71 6 11	26 17 10 10 130 9	7 32 19 7 2 11 11 3 17 2 17	1 1 1 1 2 2 7 7 7
Wisconsin	14	3 51	52. 3	 				101	210					9	2
Total	459	8, 342	50. 4	 277	357	1, 932	483	2, 965	703	498	33	712	202	143	37

² Including data for 1 establishment for which details are not shown.

⁴ Including data for 5 establishments for which details are not shown.

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of-	Aver- age full-			1	Number	of e mp lo	yees wh	ose full-ti	ime hour	s per we	ek were-	-		
Occupation, sex, and State	Estab- lish- ments	Em- ployees	time hours	Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Lathe hands and operators, engine, male:																
Alabama	. 2	22	54.6		:				[9		13			
California	16	219 232	45. 5		131	11	65 23	12	149							
Connecticut Georgia	19 4	17	51. 1 53. 7				23		149		14		42 5		3 2	
Illinois	33	865	49.9		135	2	55	67	388	71	92		43		11	
Indiana	10	183	49.7		12	33	30	0,	87	34	32		15		11	l
Iowa	1 7	48	52.4			1 1	6		17	01	3		18		1	
Kansas	7	40	50. 3		10	·	ğ		5		12		10		4	
Kentucky	}	46	47.7		10	10	13		9					4		
Louisiana	. 3	19	56.7		4									7	7	
Maine	. 3	56	47. 4		24				32	1						
Maryland	. 4	31	48.3				27		4			l				
Massachusetts	36	648	49. 2		45	15	223		295	31			39			
Michigan	21	278	51.5				49	25	92	49		6	33		24	
Minnesota	. 5	53	51.4					38					8	7		
Missouri	. 16	159	51.0				66	15	3 22	1	70		4			
New Hampshire	6	54 252	50. 6 49. 5				16 69	1	165		16					
New Jersey	26 22	438	49.5 49.2		4	94	200	-	74	12	11	ļ- -	47		2	
New York		1.014	50. 7		2	111	200	201	154	134	63		106	11	16	
Ohio Oregon		26	45. 4		17	111	201	201	101	194	65		100	11	10	
Pennsylvania	44	727	51.4		11	6	160	15	276	48	54	10	104	30	16	
Rhode Island	1 11	125	50.4			,	100	, 10	95	30	J 34	, ,0	101	30	10	
Tennessee	3	40	48.8				25		15	1						
Texas	6	66	49.3			27	13		10		16					
Washington	4	40	47.1		6	17	17									
Wisconsin	. 14	266	53. 5						39	174			25	8		2
Total	414	5, 964	50. 2		405	327	1, 246	374	1, 934	597	361	16	502	67	88	4
athe hands and operators, turret, male:																
California	15	96	45.8		51	8	22	14							1	
Connecticut		91	51.4			-	13		46		9		23			
Georgia	. 3	6	56.7							2			1		3	
Illinois	23	432	49.3		101		179	18	20	37	21		15		41	
Indiana	.] 6	80	51. 9			1		<u>-</u>	48	18			4		9	
Iowa	. 5	38	53, 7			3	1		8				21		3	
Kansas	1 2	1 5	55. 2	l		I .	l		1	1	4		i .		1	l

Total	395	3,794	49.5	<u></u>	536	137			1, 222	57			12	4		
Wisconsin	12	61 137	45. 6 51. 8			1	23									-
Washington	9 7	73	48. 9			24	35				14	-				.
Texas	8	79	49.8				29		39		11					
Tennessee	13	168	50. 2						153	15						
Rhode Island			50.7			8	129	9	74	8	11	1	38	9	1	
Pennsylvania	31	27	47. 1		6		21								! -	·
Oregon.	56 6	278	50. 6			22	53	74	25	49	15		37		1	İ
Ohio	56	278			2	10	57		59	2	18		2			
New York	19	150	49.7					5	51	45	1					
New Jersey	31	185	49.7				30 82		28		59				-	-
New Hampshire	8	117	51. 5		15		74	8	5	7	12		2			.
Missouri	13	123	48. 6										1			-[
Minnesota	6	27	49.7			7	11	19 26	110	19	19	7	6		36	
Michigan	25	234	52.0		133	8	92 11	10		13			5] .1	
Massachusetts	27	410	47. 5		133	8	92		158				3			
Maryland	7	186	47. 9		5	16	140		22							
Maine	4	41	49.7		2	*			39		. 0			2		
Louisiana	5	58	45.1		49	4			19							
Kentucky	5	24	47. 7		1	11			13	9	10				1	-
Kansas	5	28	52. 7		Ā				20	5	10		'			-
lowa	8	40	51.0		2		5		23	1.7					22	
Indiana	12	147	51. 7		113	20	8	1	99	17	9		9		00	
Illinois	28	356	48. 5		113	23	13	1	115	70	9		9	19	18	
Georgia	8	67	54, 7						22	1	Ä		5	15	18	
Connecticut	13	198	50. 7				39		115		3		41			-
California	24	239	45, 2		166	3	59	11	"	10			-			
Alabama	5	45	52.3				6		9	16	12	l i	2			1
chinists, male:																1
	345	5, 107	əv. U		170	138_	931	127	1,054	275	93	5	250	33	80	_
Total 2	343	3, 167	50.0		170	120	021	107								-
Wisconsin	11	137	53.0						16	102			13			
Washington	4	21	47.3		1	11	9									1
Texas	6	41	48.6		1	11	18		9		3					
Tennessee	3	10	48.4				8		2							
Rhode Island	11	33	50.7						21	12						
Pennsylvania	40	569	50. 1			4	262	7	166	27	13	5	54	24	7	
Poppaylyonia	3	9	45.8		5		4							. 		
OhioOregon	60	448	50. 4		2	28	127	74	103	34	11		48	6	13	i
New York	20	230	49. 2		3	36	79		90	6	7		8		1	
Now Vork	25	134	49. 5				45		79	9	1					
New Jersey.		23	49. 1				14		7		2					
New Hampshire	7	40	51.6				14	1	2		22		1			.
Missouri	3 11	9	49. 5					9								.
Minnesota	25		50.6				8	4	316	3			52			
Massachusetts Michigan	30 25	254 383	49.1		2	11	119		93	25			3			.
Massachusatta	3	11	48. 5				. 8		3							
Maryland	2	16	48. 5		. 4				12							
Louisiana	2	2	59.0											1	1	
		42	47. 2			25 [1		13					2		.

² Including data for 1 establishment for which details are not shown.

TABLE C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued MACHINE SHOPS—Continued

Number of employees whose full-time hours per week were-Number of-Average fulltime Occupation, sex, and State Over Over Over Over Over Estabhours Over Em-Under 44 and 48 and 50 and 54 and 55 and lish-44 50 54 under under under under under ployees ments week Machinists' and toolmakers' helpers, male: Alabama 14 California.... 20 94 162 51.0 Connecticut.... 52.7 Georgia 146 37 20 Illinois 17 22 14 Indiana Iowa 11 51.9 Kentucky.... 47.0 Louisiana 44 0 Maine.... 48.0 6 53 48.1 Maryland 12 77 49.2 26 Massachusetts 57 21 Michigan 11 49.4 14 14 28 73 11 Missouri 51. 1 49.5 28 29 11 New Jersey 37 26 New York 50. 2 209 29 16 64 31 Ohio.... Oregon____ 14 Pennsylvania 159 51.4 Rhode Island 71 15 10 Tennessee..... 49.5 41 48.8 Texas.... Washington.... 18 45.6 13 205 52.6 Wisconsin 205 106 163 13 269 1,671 45 538 Milling-machine hands and operators, male: Alabama California 13 57 45.4 14 147 16 51.5 Connecticut 25 375 49.3 42 24 80 36 Illinois_____ ------13 •71 23 30 Indiana -----Iowa____ 47. 5

Kentucky....

Louisiana.	2 1	2	59. 0	[[[[1	1	1
Maine	3	18	48.7		4				14							
Maryland	3	13	48. 2				12		1							
Massachusetts	33	343	47.9		93	11	86		110	34			9			
Michigan	22	124	50. 9 50. 1				14	. 8	73	12		. 2	8		7	
Minnesota Missouri	3	13						12		-	ļ -			1		
	10	22	52. 3				4	2	1		14		1			
New Hampshire	2,	36	48.7				25		10		1					
New Jersey	21	78	49. 2				33		45							
New York	19	401	48. 2		3	119	230		36	6	7					
Ohio	70	536	50.0		1	24	155	126	113	47	10		45	1	13	1
Pennsylvania	39	360	50. 5				138	19	82	36	14	1	35	33	2	
Rhode Island	9	91	50. 5						66	25						
Tennessee	2	8	49. 3		\		3		5			1	~			
ſexas	2	4 1	52. 0						2		2					
Washington	3	10	47.3		!	7	3									i
Wisconsin	15	117	53. 1	!					32	57			20			8
				·					ļ <u>'</u>	!		·				
Total 3	343	2,872	49. 7		241	173	775	196	800	316	77	3	215	36	29	11
Pattern makers, male:					1				i							
California	11	44	45.1		27	5	12				ĺ		1	i		1
Connecticut	12	96	50. 2				6		83		4		3			
Georgia	-3	9	53. 5				0		3		*		3			
Illinois	25	149	49. 8		31	1	15	19	29	21	12	3	21			
Indiana	7	17	49. 9		1	5	13	19	6	3	12		21			
Kentucky	3	4	48. 5		1 9	, ,			0	3					2	
Louisiana	3	5	49. 6		2									Ĭ		
Maryland	3	6	49. 2		3									2		
Massachusetts	16	57 1	49. 8				14		34				1 1			
Michigan	10	11	50.5				2		54	3			4			
Missouri	÷,	15	52. 7				2		0	4						
New Hampshire	5	7	50. 9			;		4		1	9		1			
Now Torgot	17	77	48.4				3		1		3		(- -			
New Jersey	ii	140	44.7		4	8	38		24	3] <u>-</u> -!			
New York	43	191	50.5		3	38	92						7			
Ohio	3		30. 3 45. 1		(<u>t</u>	8	52	21	38	40	12		18	1		1
Oregon		7			j - 5		2									
Pennsylvania	29	204	51.7			6	61	1	41	2	11		44	38		
Rhode Island	10	57	50. 3						48	9						
Tennessee	3	7	48. 3				6		1							! -
Texas	4	11	49. 6				6		3		2					
Washington	4	17	47.8		-	4	13									
Wisconsin	8	95	52. 4				!		15	68			12			
Total 2	235	1, 228	49. 6		79	75	328	45	333	154	53	3	114	42		
		-,							000	101			114		4	

Including 2 establishments in which details are not shown.
 Including data for 1 establishment for which details are not shown.
 Including data for 3 establishments for which details are not shown.

Table C.—Average and classified full-time hours per week in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of-	Aver-			:	Number	of emplo	yees wh	ose full-ti	me hour	s per we	ek were-	-		
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age full- time hours per week	Under 44	44	Over 44 and under 48	48	Over 48 and under 50	50	Over 50 and under 54	54	Over 54 and under 55	55	Over 55 and under 60	60	Over 60
Planer hands and operators, male:																
Alabama		6	54.3								4		2			
California	14	41	46.0		18	3	18	2								
Connecticut Georgia	17	148 10	51. 0 55. 5				5		116		11		13	9		'
Illinois	23	135	49. 1		41		8	16	33	26			1	9	6	
Indiana	29	34	49. 8		4	7	"	10	7	11			5		U	
Iowa	4	6	51. 3		·	ļ	1		3				ž			
Kansas	6	6	52. 6		1				1	1	2				1	
Kentucky	. 4	13	46. 9		2	2	9									
Maine	. 3	12	48.0		4				8							
Maryland	. 2	8	49.0				4		4							
Massachusetts	31	177	48.8		11	9	60		89	4			4			
Michigan Minnesota	12	46 9	51. 0 50. 1				15	6	10	5			6		4	
	5 10	48	50, 1 50, 6				28	8			11		1			
New Hamphsire		12	50. 6				20	1	11		11		°			
New Jersey	23	71	48.8		2		39	i	26	3	•					
New York	21	174	49. 5			27	97	İ	24		9		7		10	
Ohio	68	462	51.0		2	47	105	52	97	49	43	5	27	3	17	18
Oregon	. 3	4	45.0		3		1									
Pennsylvania	. 42	254	52. 5			6	42		69	8	44	6	40	25	11	
Rhode Island	. 11	36	50.4						28	8						
Tennessee	. 3	6	49.0				3		3			ļ				
Texas	. 3	3	49.3		- -		1		2							
Washington Wisconsin	11	87	47. 2 52. 4		1	2	į 4		28	48			8			;
W ISCOUSIN	11	87	32. 4						28	48						
Total ²	339	1,818	50. 5		92	103	440	86	559	163	126	11	128	37	49	24
screw-machine hands and operators, male:																
Alabama	9	4	54. 8]					1	1	3			
California	2 3	7	46. 9			2		4			1		٥			
Connecticut	9	69	51. 9		1	l *	8		31				30			
Illinois	18	116	48.7		41		11	14	15	26	2		4		3	
Indiana	4	iii	50. 9						7	4						
Iowa	2	-6	56.0			\			i				3		1	1

Kentucky Maine Massachusetts Michigan Missouri New Hampshire New Jersey New York Ohio Pennsylvania Rhode Island Wisconsin	3 2 26 15 4 2 12 14 49 21 11 11 13	8 4 115 68 7 7 30 170 432 287 62 104	46. 6 50. 0 49. 5 50. 3 51. 6 48. 3 49. 8 48. 0 50. 0 49. 4 50. 3 52. 5		56 26	1 46 7 6 4 104 63 157	233	2 4 47 46 3 1 24 6 46 85 50 31	19 13 2 2 2 32 2 12 57	3		2 2 2 1 11 7 13	2 14	19 2	3
Total 3	213	1,520	49.8	 43	89	416	269	399	169	13		76	17	25	4
Toolmakers, male: Alabama California Connecticut. Georgia Illinois Indiana lowa Kansas Kentucky Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	2 15 18 4 24 24 13 3 2 6 4 4 3 3 12 2 5 7 20 64 2 3 8 11 3 13 13 13 13 13 13 13 13 13 13 13 1	8 56 115 6 300 77 11 1 2 12 16 42 283 202 11 27 27 607 3 276 109 9 13 6 559	54. 9 46. 0 50. 4 53. 3 50. 5 51. 7 52. 0 46. 6 48. 1 48. 8 50. 5 50. 5 49. 2 49. 3 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4 49. 4	26 9 1 2 5 3 32 3 1 3	5 8 5 6 90 30 2	116 8 8 73 1 2 41 105 14 14 34 265 238 79	9 	94 2 80 51 7 7 3 11 116 135 2 3 4 4 137 75 86 5 5 5	2 60 13 13 15 35 35 35 10 23	1 2 13 2 2 8 3 1 8 3 12 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1	7 7 11 12 12 1 2 2 8 2 2 1 1 8 35 2 2 4	3	1 3 4 1 1	1
Total 2	354	2, 863	49. 7	 83	151	914	211	920	319	55	3	135	49	21	2

² Including data for 1 establishment for which details are not shown.

Including data for 3 establishments for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State FOUNDRIES

	Numb	er of—	Aver-						Nun	iber of	emplo	yees v	vho du	ring or	ne we	ek wo	rked—					
Occupation, sex, and State	Estab- lish- ments	ploy-	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	24 and un- der 32 hrs.	32 and un- der 40 hrs.	40 hrs.	Over 40 and un- der 44 hrs.	44 hrs.	Over 44 and un- der 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and un- der 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	Over 84 hrs.
Chippers and rough grinders, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio. Oregon Pennsylvania Rhode Island Tennessee Texas. Washington Wisconsin	21 3 16 4 24 131 18 5 3 3 3 7 288 38 5 11 5 17 23 500 7 7 38 8 4 5 5 7 7 13	23 1011 40 114 38 293 166 70 34 37 378 380 43 51 27 250 296 486 23 470 120 22 26 254	56. 6 44. 3 47. 7 48. 3 45. 2 46. 7 7 49. 3 49. 8 43. 4 45. 9 5 47. 2 46. 3 48. 3 48. 6 7 47. 2 44. 9 46. 3 41. 7 47. 2 44. 9 48. 6	1 1 2 5 5 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	1 2 2 2 2 2 2 2 1 6 11 1 1 4 4 2 7 7 3 3 I 1 7 7	1 3 1 5 5 188 9 9 3 4 4 1 2 2 3 2 6 2 2 2 19 5 21 20 7 4 4 1 9	1 9 6 7 7 54 15 3 1 1 25 5 1 3 7 30 59 9 11 1 12 5 2 32 32	66 77 22 2 3 6 50 2 1 1 1 1 1 2 2 4 1	13 1 9 1 28 15 2 1 1 6 	18 2 3 2 1 1 1 3 1 1 1 1 6 5 5 3 3 3 3	177 7 16 211 336 10 3 3 5 45 81 1 5 62 2 8 8 109 46 4 2 2 1 27	39 14 1 9 11 26 24 4 2 7 7 2 2 100 19	8 1 2 7 7 12 1 1 1 1 2 2 7 15 22 2 15	17 12 3 1 1 2 4 8 84 25 1 6 13 6 33 3 29 9 5 8 8 1 1 13	2 8 15 24 3 4 14 2 2 1 1 1 1 27 15 16 18 8 3 28 20 6 5 5 2 2 1 1 44	55 3 57 1 14 18 2 5 22 5 13 6 9 21 24 23 9 1 2 2 3	1 1 1 2 2 12 12 12 14 15 5 15 15 15 15 15 15 15 15 15 15 15 1	1 1 2 2 1 1 2 1 1 2 2 1 1 1 2 2 1 1 1 2 2 1	16 	2	1 1 1 1 4 4	1
Total	379	3, 857	46. 6	63	64	166	439	151	259	90	643	199	150	280	403	243	398	81	204	6	15	 3

Total.	Core makers, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohlo. Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	3 21 3 16 7 26 16 11 12 7 28 35 5 12 7 17 24 17 251 7 8 8 8 7 17 26 17 17 27 17 27 17 27 17 27 17 27 17 27 17 27 17 27 27 27 27 27 27 27 27 27 27 27 27 27	19 117 20 96 96 96 11 227 170 18 15 9 14 9 52 163 338 130 220 393 12 51 22 52 41 17 17 17 18	50. 7 40. 6 42. 5 44. 8 43. 0 50. 0 48. 9 48. 9 41. 5 4 45. 3 46. 2 9 49. 9 41. 4 47. 47. 4 47. 4 47. 4 47. 4 47. 4 47. 4 47. 4 47. 4 47. 4 47. 4 47. 47. 4 47. 47. 47. 47. 47. 47. 47. 47. 47. 47.	1 1 8 6 1 1 1 1 2 1 1 8 8	1 1 1 9 3 3 4 4	3 1 4 1 10 10 12 1 1 1 1 2 2 2 2 2 1 3 4 4 16 3 4 16 3 4 16 3 4 16 4 16 16 16 16 16 16 16 16 16 16 16 16 16	2 2 4 4 8 8 25 21 3 1 1 1 2 10 6 4 3 3 4 2 2 148 8 6 6 1 2 8	8 13 35 9 12 2 8 2 9 49 11 11 52 36 4	6 1 1 5 1 14 5 3 3 19 1 1 2 22 13 1 788 5 1 1	40 1 5 1 3 2 1 1 	2 10 5 5 23 3 7 7 11 1 4 8 5 5 4 4 8 5 5 4 4 8 5 5 4 6 6 6 6 6 6 6 6 6	11 7 8 1 18 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1 2 8 1 1 11 1 1 2 2 2 5 5 1 5 5 1 5 5 1 5 1	1	1 2 1 3 1 1 2 2 5 10 2 2	5 1 24 10 11 8 2 2 -7 14 7 7 12 11 6 4 17	2 9 4 16 122 9 9 1 1 6 233 1 1 2 2 100 37 7 10 1 1 6 6 3 3	1 3 13 2	8 19 15 1 1 12 2 2 1 6 5 6 6 1	2 1 1	
Illinois	Total	401	3, 040	44. 3	46	59	153	448	285	203	69	504	233	152	180	246	152	167	53	84	 6	
Total 1 324 40.6 8 17 13 48 46 58 12 54 21 17 7 18 3 2	Illinois Indiana Kentucky. Massachusetts Michigan New Jersey. New York. Ohio Pennsylvania. Rhode Island.	2 2 2 7 4 7 2 3	18 5 3 55 49 54 14 29 7	41. 9 46. 7 48. 0 34. 2 40. 1 41. 7 45. 1 41. 5 49. 2	3	3	1	8 6 5	15 17 1	1 4 7 3	7	5 7 10 4 2 3	3	4 9	3 1 1	2 4 1	1	2				
	Total 1	41	324	40.6	8	17	13	48	46	58	12	54	21	17	7	18	3	2				

¹ Including data for 2 establishments for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

FOUNDRIES—Continued

	Numb	er of—	Aver-						Nun	aber of	emplo	yees w	ho du	ring or	e wee	k wo	rked—						
Occupation, sex, and State	Estab- lish- ments	ploy-	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	24 and un- der 32 hrs.	32 and un- der 40 hrs.	40 hrs.	Over 40 and un- der 44 hrs.	44 hrs.	Over 44 and un- der 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and un- der 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	84 hrs.	Over 84 hrs.
Laborers, male:																							
Alabama	4	67	53.8	2	3	2	4	<i></i> .			4		2	1	6	5	9	2	20	1	5		. 1
California	20	258	46.1	5	1	7	23	11	23	18	51	34	19	3	31	2	9	1	17		3		
Colorado	2	24	49.3	1		1				2	1		3		2	3	10		1				. <i>-</i> -
Connecticut	16	490	49.8	3	4	12	22	37	33	19	62	13	12	97	33	16	62	11	38	3	11		. 2
Georgia	7	165	51.3	5	6	3	6	3	6	1	11	5	1	3	33	3	36	2	40		1		
Illinois	28	902	47.7	12	14	41	61	50	108	18	116	38	18	36	64	134	103	29	50	2	. 8		
Indiana	15	839	49. 2	25	21	18	57	. 36	68	15	111	26	30	48	65	40	116	46	79	2	26	1	9
Iowa	11	186	51.0	6	2	5	8	2	10	2	14	9	9	8	8	25	22 3	28	26		2		
Kansas	6	28	45.3		3	4		2			3	ĺ	1	ĭ		9	3		!				. 1
Kentucky	4	23	45.6	3	l i		2	ī			3	_	_	3	3		3	1	1	1	1		l
Louisiana	4	34	43. 0	2	l î	2	2	8	3	1	2		1		2	5	š	î	î	l			
Maine	3	39	46.6		_	_	3	4	2		16		2	5	6	•	1	•	1				1
Maryland	7	135	44.4	ī	2	20	19	19	5		14	2	3	4	10	9	12	5	7	3			
Massachusetts	28	695	47.4	12	12	34	34	72	56	3	83	49	15	44	82	85	48	18	27	4	14	1	2
Michigan	39	1, 521	46.5	41	65	90	193	22	70	10	181	33	45	159	160	30	210	37	138	10	24	•	3
Minnesota	5	105	49.7	i	1		9	1	ľi	10	21	00	23	100	6	15	17	i	103	10	. 21		1 "
Missouri	12	145	46.1	3	9	10	10	4	i		31	6	15	2	7	6	27	٠,	14				
New Hampshire	16	31	41.8		2	3	3	7	1		į ox	6	10	6	1 1	2	1 1		1.7				
New Jersey	17	705	43.5	13	21	20	90	14	22	11	121	17	10	28	102	47	86	10	62	4	26		
New York.	25	741	51.1	13	15	37	48	11	25	17	98	53	30	47	62	24	86	20	121	2			i ê
Ohio	52	1, 237	48. 9	24	19	52	121	41	43	9	103	50	100	88	115	39	206	118	92	13	1 00		1 1
Oregon	7	53	39. 7	24	19	32	121	6	2	1 1	103		100	00	119			110	92	19			1
Pennsylvania	40	1,602	44, 4	20	21	63	413	82	188	15	173	2			140	1 44	1 1		==-		10		
					21							81	20	62	142		145	42	75	5		1	
Rhode Island	8	193	52.9	1		4	9	1	5	1	37	2	2	23	12	25	31	8	20		12		
Tennessee	\ \frac{7}{6}	87	46.1	1	1	4	9	9	4		11	3	2	24	8	1	3	2	5				
Texas	9	196	48.2	4	2		7	7	4		15	63	4	5	29	14	16	6	13				
Washington	6	55	44.1	1	1	3	4	5	6	1	7	9	6	1	9	1			1				
Wisconsin	13	461	52. 5	3	5	10	19	1	21	2	54	23	15	27	88	11	100	3	54	5	17	1	2
Total		11, 017	47.9	204	233	455	1, 195	456	706	136		525	390								199		28

Molders, hand, bench, male:	,	• •		1			,	1		1					. 1								
California	18	60	40, 5	2	1 .	- 1	8	14	8	15	7	5	- 1				!				1	- 1	
Connecticut	13	111	43. 7	ĩ	- 1-	·	4	36	12	i	43	- ا ت		ī			12						
Georgia	4	34	46.0	*		î	5	30	1		19			3	5	-	12						
Illinois	22	134	46. 7	1	3	4	10	9	10	7	18	11	9	5	14	;;-							
Indiana	14	109	45.8	1	4	3	9	2	5	5	20	31			14	15	5	10	3				
Iowa	7	53	54, 1	1	*	2	3	- 4	1	2	20	31	4	5	::-	3	7	10					
Kansas	6	8	50.7			2			1	2					11	7	5	1	9	4	1		
Vantuoler							1				Ī		1			3	2						
Kentucky	5	11	53. 2			1	2				2		1		2			1			1 .		1
Louisiana	2	4	39, 5		1 .		1									2					!		
Maine	4	12	46. 9					1)			8]	2					1				
Maryland	6	31	44. 5			2	5		1 .		15	3 _				5			;				
Massachusetts	27	295	43. 5	3	1	18	28	54	16	5	83	21	3	9	8	43		3					
Michigan	35	294	42.6	5	11	14	42	61	10	4	39	12	13	17	39	3	17	2	5				
Minnesota	4	36	46.0	1			5		1 .		13		5		3	8		l					
Missouri	6	18	42, 5	!			6				8	2	2										
New Hampshire	6	25	47, 3	1			3	2			6	2	-			4	5		2				
New Jersey	15	73	44, 3	_	2	1	7	8	3	3	17	16	7	7	2	•			٠.				
New York	20	157	47. 7		- 1	14	17	3	6	ĭ	20	33	9	2	3	12	20		17				
Ohio	43	237	42.8	3	6	17	30	49	8	3	28	19	22	10	23	6	3	9	11				
Oregon	5	8	38. 3	i	•	- 1	1	2	1 1	•	2	13	1	10	20	U	0	9	1				
Pennsylvania	28	185	45. 4	1		8	32	17	15	1	26	11	3	15	37		16	2					
Rhode Island	8	57	40.6	ī	2	12	8		5	•	10		i	13		4	10	1	1				
Tennessee	4	34	42.0		2	12	4	5	1 1		12	3		13	5-	4		1	,				
Texas	6	15	55. 7		- 4	1	4	9	1		12		2	2	2								
10445											•	4 _			2	1	1	1	5				
Washington	4	11	44. 9	<u>-</u> -			1			2	5		1		2								
Washington Wisconsin	11	11 50	44. 9 42. 1	3		6	1 4		16	$\begin{bmatrix} 2\\1 \end{bmatrix}$	5 8	2 _	1		3		4		<u>-</u> 2				ī
Wisconsin	11	50	42.1	!!			4			1	8				- 3		·						i
Washington Wisconsin Total ³				23	33	106		263	16			175	1 84	91		117	97	40	<u>2</u> 	4	2		1 2
Wisconsin Total ³	11	50	42.1	!!	33		4	263		1	8			91	- 3	117	·	40		4	2		1 2
Wisconsin Total Molders, hand, floor, male:	324	2,063	42.1	23	33	106	236	263		1	418	175	84	91	156		97	40		4	2		1 2
Total 1 Molders, hand, floor, male: Alabama	324	2, 063	42. 1	23		106	236		120	50	418	175		91	- 3	117	·	40		4	2		1 2
Wisconsin Total Molders, hand, floor, male: Alabama California	324 324 4 19	50 2, 063 53 205	42. 1 44. 5 53. 5 41. 0	23	4	106 3 11	236 240	263		1	4 4 25	175 1 23	84		3 156 9 4		97	_	46	4			1 2
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado	324 324 19 3	50 2, 063 53 205 49	42. 1 44. 5 53. 5 41. 0 42. 3	23 1 3	4	3 11 2	236 240 17		120	50	4 418 4 25 4	175	84		3 156 9	5	97	_	46	4			1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut	324 4 19 3 16	50 2, 063 53 205	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8	23	4	106 3 11	236 240	12	120	50	4 4 25	175 1 23	84		3 156 9 4 4	5 2	97	_	46	4			1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia	11 324 4 19 3 16 7	50 2, 063 53 205 49 244 68	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9	23 1 3	4 1 7 2	3 11 2 3 10	236 240 17	12	110 	50	4 418 4 25 4	175 1 23 5	84	1 8	3 156 9 4	5 2 2	97 10 4 5	_	12 1	4			1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois	11 324 4 19 3 16 7 28	50 2, 063 53 205 49 244 68 361	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8	23 1 3	4 1 7	3 11 2 3 10	236 240 17 20	12 1 41 1	110 	50	4 25 4 61	175 1 23 5 12 3	84 2 2 8 6 3	1 8 10	3 156 9 4 4 8 9	5 2 	97 10 4 5 27	1	12 1 6				1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana	11 324 4 19 3 16 7	50 2, 063 53 205 49 244 68	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9	23 1 3	4 1 7 2	3 11 2 3	236 240 17 20 9 61	12 1 41	120 11 32 6 23	50 66 8	4 25 4 61 14 49	175 1 23 5 12 3 22	84 2 	1 8 10 17	9 4 4 8 9 14	5 2 2 1 19	97 10 4 5 27	1	12 1	4			1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana	11 324 4 19 3 16 7 28	50 2, 063 53 205 49 244 68 361	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7	23 1 3 	4 1 7 2 10	3 11 2 3 10 28 13	236 240 17 20 9	12 1 41 1 61	110 	50 66 8 14 26	4 25 4 61 14	175 1 23 5 12 3 22 22	84 2 8 6 3 1 19	1 8 10	9 4 4 8 9 14 33	5 2 2 1 19 7	97 10 4 5 27 15 30	1 4 10	12 1 6				1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa	11 324 4 19 3 16 7 28 15	50 2, 063 53 205 49 244 68 361 288 130	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9	23 1 3 	4 1 7 2 10 5	106 3 11 2 3 10 28 13 1	2 40 17 20 9 61 33 14	12 1 41 1 61 3	120 11 32 6 23 15	50 66 8	4 418 25 4 61 14 49 61 3	175 1 23 5 12 3 22	84 2 8 6 3 1 19 4	1 8 10 17 8	9 4 4 8 9 14	5 2 2 1 19 7 13	97 10 4 5 27 15 30 8	1	12 1 6	1			1 1 1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas	11 324 4 19 3 16 7 28 15 11 9	50 2, 063 205 49 244 68 361 288 130 44	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1	23 1 3 	4 1 7 2 10 5 4	3 11 2 3 10 28 13 1	236 240 17 29 61 33 14 4	12 1 41 1 61 3	120 11 32 6 23 15	50 66 8 14 26	4 418 25 4 61 14 49 61 3 5	175 1 23 5 12 3 22 22	84 2 8 6 3 1 19 4 1	1 8 10 17 8	9 4 4 8 9 14 33 4	5 2 2 1 19 7	97 10 4 5 27 15 30	1 4 10 5	12 1 6				1 1 3
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky	11 324 4 19 3 16 7 28 15 11 9	50 2, 063 53 205 49 244 68 361 288 130 44 35	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9	23 1 3 	4 1 7 2 10 5	106 3 11 2 3 10 28 13 1	236 240 17 20 9 61 33 14 4	12 1 41 1 61 3 21	110 111 32 6 23 15 4	50 66 8 14 26 2	418 425 4 61 14 49 61 3 5	175 23 5 12 3 22 22 16	84 2 8 6 3 1 19 4 1 2	1 8 10 17 8	9 4 4 8 9 14 33	5 2 1 19 7 13 18	97 10 4 5 27 15 30 8 6	1 4 10	12 1 6	1			1 1 3
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louislana	11 324 4 19 3 16 7 28 15 11 9 7 5	50 2, 063 53 205 49 244 68 361 288 130 44 35	53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9 43. 0	23 1 3 	4 1 7 2 10 5 4	3 11 2 3 10 28 13 1	236 240 17 20 9 61 33 14 4 9 7	12 1 41 1 61 3 21	120 11 32 6 23 15	1 50 66 8 14 26 2	418 425 4 61 14 49 61 3 5 10 2	175 1 23 5 12 3 22 22 16	84 2 8 6 3 1 19 4 1 2 1	1 8 10 17 8	9 4 4 8 9 14 33 4	5 2 2 1 19 7 13	97 10 4 5 27 15 30 8	1 4 10 5	12 1 6	1			1 1 3
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louislana Maine	11 324 4 19 3 16 7 28 15 11 9 7 5	50 2, 063 53 205 49 244 68 361 288 130 44 35 41 135	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9 43. 0 42. 6	23 1 3 	4 1 7 2 10 5 4	106 3 11 2 3 10 28 13 1 1	2 40 17 20 9 61 33 14 4 9 7 7 1	12 1 41 1 61 3 21	110 32 6 23 15 4	1 50 66 8 14 26 2 1	418 4 25 4 61 14 49 61 3 5 10 2 15	175 23 5 12 3 22 22 16	84 2 8 6 3 1 19 4 1 2 1	1 8 10 17 8	9 4 4 8 9 14 33 4	5 2 1 19 7 13 18	97 10 4 5 27 15 30 8 6	1 4 10 5	12 1 6	1			1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland	11 324 19 3 16 7 28 15 11 11 9 7 5 4	50 2, 063 53 205 49 244 68 361 288 130 44 435 41 35 96	53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9 43. 0 42. 6	23 1 3 	4 1 7 2 10 5 4	106 3 11 2 3 10 28 13 1 1	2 40 17 20 9 61 33 14 4 9 7 1 17	12 1 41 1 61 3 21 9 10 22	120 111 32 6 23 15 4 2	1 50 66 8 14 26 2 1 5	418 425 461 144 49 61 3 5 10 2 15 25	175 = 1 23 5 12 3 22 22 16 = 2 3 3 3 3 3 3 3 5 5 5 5 6 5 6 6 6 6 6 6 6	84 2 8 6 3 1 19 4 1 2 1 1 2 1	1 8 10 17 8 	9 4 4 8 9 14 33 4	5 2 1 19 7 13 18	10 4 5 27 15 30 8 6	1 10 5 	12 1 6	1			1 1 3
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts	11 324 4 19 3 16 7 28 15 11 9 7 5 4 7 7 27	50 2, 063 53 205 49 244 68 361 288 130 44 35 41 35 96 367	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9 42. 6 42. 6 43. 1	23 1 3 	4 1 7 2 10 5 4	106 3 11 2 3 10 28 13 1 1 1	2 40 17 20 9 61 33 14 4 9 7 1 17 27	12 1 1 41 1 61 3 21 9 10 22 105	120 11 32 6 23 15 4 2 2 35	1 50 66 8 14 26 2	418 425 461 144 49 61 3 5 10 2 15 25 73	175 1 23 5 12 3 22 16 2 3 50	84 2 8 6 3 1 1 2 1 2 7	1 8 10 17 8 	9 4 4 8 9 14 33 4	5 2 2 1 19 7 13 18	97 10 4 5 27 15 30 8 6 	1 4 10 5 7 5	12 1 6	1			1 3
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan	11 324 4 19 3 16 7 28 15 11 11 9 7 5 4 7 27 33	50 2,063 53 205 49 244 68 361 288 130 44 35 41 35 41 35 41 47	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 7 45. 2 49. 9 43. 0 42. 6 42. 6 43. 1 43. 3	23 1 3 	4 1 7 2 10 5 4	106 3 11 2 3 10 28 13 1 1	2 40 17 20 9 61 33 14 4 9 7 1 1 17 20 9 61 33 14 4 9	12 1 41 1 61 3 21 9 10 22	120 111 32 6 23 15 4 2	1 50 66 8 14 26 2 1 5	4 25 4 61 14 49 61 3 5 10 2 15 25 73	175 = 1 23 5 12 3 22 22 16 = 2 3 3 3 3 3 3 3 5 5 5 5 6 5 6 6 6 6 6 6 6	84 2 8 6 3 1 19 4 1 2 1 1 2 1	1 8 10 17 8 	9 4 4 8 9 14 33 4	5 2 1 19 7 13 18	10 4 5 27 15 30 8 6	1 10 5 	12 1 6	1			1 1 3 3 1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louislana Maine Maryland Massachusetts Michigan Minnesota	11 324 4 19 3 16 7 28 15 11 9 7 5 4 7 27 33 4	50 2, 063 53 205 49 244 68 361 288 130 44 35 41 35 96 367 417 45	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 44. 9 43. 0 42. 6 43. 1 43. 3 44. 8	23 1 3 	4 1 7 2 10 5 4 2 2	106 3 11 2 3 10 28 13 1 1 2 3 3 10 28 13 10 28 13 10 28 13 10 29 30 10 10 10 10 10 10 10 10 10 1	236 240 177 200 9 61 333 14 4 9 7 7 1 177 277 422 5	12 1 41 1 61 3 21 9 10 22 105 24	120 111 32 6 23 15 4 4 2 2 35 18	1 50 66 8 14 26 2	4 25 4 61 14 49 61 3 5 10 2 15 25 73 90 35	175 = 1 23 5 12 3 22 22 16 - 2 3 13 50 22	84 2 8 6 3 1 19 4 1 2 1 2 7 15	1 8 10 17 8 1 2 2 3 3 40 1	9 4 4 8 9 14 33 4 	5 2 2 1 19 7 13 18 9 4 15 10	97 10 4 5 27 15 30 8 6 	1 4 10 5 7 5	12 1 6	1			1 1 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louislana Maine Maryland Massachusetts Michigan Minnesota Minnesota Missouri	11 324 19 3 16 6 7 28 11 9 7 7 7 7 7 7 7 7 7 3 4 4 7 28 4 4 7 28 4 4 7 7 7 8 7 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9	50 2,063 53 205 49 244 68 361 288 130 44 35 41 35 96 417 417 446	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 45. 2 49. 9 43. 0 42. 6 42. 6 43. 1 44. 8 45. 8	23 1 3 	4 1 7 2 10 5 4 2 2	106 3 11 2 3 10 28 13 1 1 1 2 19 39	2 40 17 20 9 61 33 14 4 9 7 1 17 27 42 5 5 21	12 1 41 1 3 21 9 10 22 105 24	120 111 32 6 23 15 4 2 2 35 18 2	1 50 66 8 14 26 2	4 25 4 61 14 49 61 3 5 10 2 25 73 90 35 27	175 = 1 23 5 12 3 22 22 16 - 2 3 13 50 22	84 2 8 6 3 1 19 4 1 2 1 1 2 7 15 23	1 8 10 17 8 1 2 2 3 3 40 1 1 2	9 4 4 8 9 14 33 4 	5 2 2 1 19 7 13 18 	10 4 5 27 15 30 8 6 6 	1 4 10 5 7 5	12 1 6	1			1 1 3 3
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louislana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire	11 324 19 3 16 7 28 15 11 11 9 7 5 4 7 7 27 33 4 4 12 8	50 2, 063 53 205 49 244 68 361 288 130 44 35 41 35 41 45 146 49	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9 43. 0 42. 6 43. 1 44. 8 45. 8 45. 8	23 1 3 	4 1 7 2 10 5 4 2 2 15	106 3 11 2 3 10 28 13 1 1 2 19 39	236 240 177 29 61 33 14 4 9 7 7 1 11 17 27 42 5 21 13	12 1 41 1 61 3 21 9 10 22 105 24	110 32 6 23 15 4 2 2 35 18 2 2 3 18	1 50 66 8 14 26 2 1 5 1 1 1	4 255 4 61 144 49 61 3 5 10 2 15 25 73 90 35 27 4	175 1 23 5 12 22 22 16 22 22 22	84 2 8 6 3 1 19 4 1 2 1 1 2 7 15 23 1	1 8 10 17 8 1 2 2 3 3 40 1 1 2 2	9 4 4 8 9 14 33 4 	5 2 2 1 19 7 13 18 	97 10 4 5 27 15 30 8 6 -4 1 -4 25 -13 5	1 4 10 5 7 5	12 1 6 9 20 	1			1 1 3 3 1 1 1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louistana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey	11 324 19 3 16 6 7 28 15 11 9 7 5 4 7 27 33 4 7 27 33 4 18 18 18 18 18 18 18 18 18 18	50 2, 063 53 205 49 244 68 361 288 130 44 35 41 35 41 41 7 45 47 41 47 45 46 49 49 49 49 49 49 49 49 49 49 49 49 49	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 45. 2 49. 9 51. 1 44. 9 42. 6 42. 6 42. 6 43. 1 43. 8 44. 8 45. 8 46. 8 47. 8 48. 8 48. 8 49. 9 49. 10 40 40 40 40 40 40 40 40 40 4	23 1 3 3 	4 1 7 2 10 5 4 2 2 15	106 3 11 2 3 10 28 13 1 1 2 19 39 4 4 7	2 40 17 20 9 61 33 14 4 9 7 1 17 27 42 5 21 13 30	12 1 41 1 61 3 21 9 10 22 105 24	120 111 32 6 23 15 4 2 2 35 18 2 1 14 1 1 1 1 1 1 1	1 50 66 8 14 26 2 1 5 1 1 1 8	8 418 255 4 61 144 499 61 3 5 10 2 15 25 73 90 35 27 4 88	175 = 1 23 - 5 12 3 22 22 22 26 16 2 3 3 50 22 22 3 3 22	84 2 8 6 3 1 19 4 1 2 2 1 1 2 2 7 15 23 1 15	1 8 10 17 8 1 2 2 3 3 40 1 1 2 2 8	9 4 4 8 9 14 33 4 	5 2 1 19 7 7 13 18 	10 4 5 27 15 30 8 6 4 1 	1 4 10 5 7 5	46 12 1 6 9 20 	1			1 1 3 3 1 1 1
Wisconsin Total Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire	11 324 19 3 16 7 28 15 11 11 9 7 5 4 7 7 27 33 4 4 12 8	50 2, 063 53 205 49 244 68 361 288 130 44 35 41 35 41 45 146 49	42. 1 44. 5 53. 5 41. 0 42. 3 43. 8 42. 9 42. 7 45. 2 49. 9 51. 1 44. 9 43. 0 42. 6 43. 1 44. 8 45. 8 45. 8	23 1 3 	4 1 7 2 10 5 4 2 2 15	106 3 11 2 3 10 28 13 1 1 2 19 39	236 240 177 29 61 33 14 4 9 7 7 1 11 17 27 42 5 21 13	12 1 41 1 61 3 21 9 10 22 105 24	110 32 6 23 15 4 2 2 35 18 2 2 3 18	1 50 66 8 14 26 2 1 5 1 1 1	4 255 4 61 144 49 61 3 5 10 2 15 25 73 90 35 27 4	175 1 23 5 12 22 22 16 22 22 22	84 2 8 6 3 1 19 4 1 2 1 1 2 7 15 23 1	1 8 10 17 8 1 2 2 3 3 40 1 1 2 2	9 4 4 8 9 14 33 4 	5 2 2 1 19 7 13 18 	97 10 4 5 27 15 30 8 6 -4 1 -4 25 -13 5	1 4 10 5 7 5	12 1 6 9 20 	1			1 1 3 3 1 1 1

² Including data for 1 establishment for which details are not shown.

Table D .—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

FOUNDRIES-Continued Number of employees who during one week worked-Number of-Average Over Over Over Over Over Over Over hours actu-Un-Occupation, sex, and State and and and Over and and Estab-Emand and and and and ally der ununununununun-lishunununployworked hrs. hrs. der der derhrs. hrs. hrs. hrs. hrs. hrs. der hrs. der der der der der ments ees in 1 der hrs. week hrs. hrs. hrs. hrs. hrs. hrs. hrs. hrs. hrs. hrs. Molders, hand, floor, male-Con. 44.2 Ohio_____ 37.1 Oregon 42.7 Pennsylvania 47.1 Rhode Island 18 41.5 49.4 Texas-----42.3 Washington Wisconsin 41.2 5, 375 154 1,016 Molders, machine, male: California.... Colorado..... 39. 2 Connecticut 48.4 44.9 Georgia.... 46.4 Illinois 43. 2 Indiana..... 45.9 Iowa..... Kansas.... 39.4 40.5 Kentucky.... 47.3 Maryland.... 44.5 Massachusetts.... 42.8 Michigan Minnesota.... 44.9 46.1 Missouri.... 48.9 New Hampshire..... 43.9 New Jersey 42.6 New York Ohio _____ 44. 2 41.3 Pennsylvania.... Rhode Island 47.0

39.4

Tennessee.....

_	_																						
Texas.	3 11	19 288	44.8 47.0	5	10	14	17	14	45	<u>i</u> -	10 35	3	7	5	32	3	78	3	<u>1</u> 8-		1		
Wisconsin	11	255	47.0		10	14	17	14	-40	1		- 0		J	- 02		10		10				
Total3	220	3, 102	44. 3	42	59	147	479	267	270	24	589	183	107	190	224	113	249	101	53	4	1		
Molders' helpers, floor, male:																							
	4	62	59, 4	3	1	1	9		2		1	1	1		1	1	13	1	22	1	9	- !	3
Alabama California	11	53	43. 3	"	2	1	8	3	8	6	7	î	7		9	1	1 1	1 1	22				0
Colorado	3	59	44. 9	1	î	2	15	7		2	10	-	2	1	3	3	1 2	3	7	}			
Connecticut	12	82	47. 3	1	-	2	6	3	15		15	1	5	7	14	٠,	6	1	ล์				
Georgia	5	51	50. 6	2		í	6	9	3		7	-	ĭ	i	7		12	î	9	ï-			
Illinois	17	102	44. 2	6	5	11	7	14	3		6	5	5	- 7	4	5	3	11	9	1	1		
Indiana	10	102	47. 2	9	3	4	4	5	i	-	8	10		i	12	2	30	i	12		1		
Iowa.	7	24	50.7		0	*	1	i	1	1	1	3	1	i i	12	7	7	1 1	12				
Kansas	8	46	49. 9			6	6	î	2	1 1	4		$\hat{2}$	1 1	1	13	4		4		1		2
Kentucky	7	20	47. 5	1		ا ا			_		ź		_	3	6	10	i		i		1		
Louisiana	5	52	45. 1	i			1 5	12	3	3	6	2	4		5	5	5		î		(
Maryland	4	21	45. 8	1 1	1	1	ž	12			4	5	2	1	š	Ĭ	ĭ						
Massachusetts	20	98	46. 8			2	6	12	10	2	31	ĭ	<u>4</u>	2	4	10	7	3	4				
Michigan	12	108	48. 0	3	4	8	3	1.2	4	ĩ	12	-	2	19	26	2	13		7		3		1
Minnesota	3	30	45. 7				7		î		11		8			! -	1		2		1		
Missouri	9	99	51. 4	3	4	5	2		l î		10		2	3	8	19	20	8	9		3	1	1
New Jersey	9	106	48. 1	2	_ ^	l ĭ l	6		î		52	1	ī	2	10	9	17	"	4	}	t: I l		
New York	17	80	47. 2	-	1	2	16	4	7	2	5	8	3	5	5	2	8	1	10	1	1		
Ohio	24	207	49. 6	2	4	4	13	7	5	ĩ	23	23	8	18	32	15	23	4	25	1			
Oregon	5	16	43. 5	ī	. *	î	4	•	ĭ	1	~3	1	ĭ		2	i		1	ĩ				
Pennsylvania	24	224	43. 8			12	$5\dot{4}$	17	20	3	51	6	7	2	17	2	21	2	10				
Rhode Island	4	10	51.8			1	01				3	ĭ		2	i	Ĭ	2	<u>-</u> .	ĩ				
Tennessee	6	66	45. 2	1		2	2	21	4		4	$\tilde{9}$	1	10	3	2	3		4				
Texas	8	38	48. 3	î		i i	ī		3		9	1	2	3	8	2	6		1				
Washington	5	22	40. 8	2			3	2	3		7	3	1		1								
Wisconsin	7	38	45. 5	1	1	1	3		6		3	5	3	5	9				1				
***************************************						[-			
Total ²	247	1,820	47.4	40	27	68	183	109	105	21	302	87	73	93	191	101	206	36	150	2	18	1	7
Pattern makers, male:										i		i									\Box		
Alabama	3	17	50. 5	1					1				1		5	5	4			1	II		
California	11	33	42. I	2	1	1	1		3	13	2	8	ī		ī	l	!	12222					
Colorado		4	32. 6	ī			î			l il	ī										[
Connecticut	4	18	49. 4					2		l	6		1	3			6				(-		-
Georgia	4	15	49. 9				1			1	2			2	7	1	1				-		
Illinois	12	139	43.8		2	3	15	36	8	12	15	23	6	8	2	8		1					
Indiana	10	89	51. 2				4	1	1	1	10	4	2	17	26	1	18		2		2		
Iowa.	8	17	44. 1		3	1		1			1	2		2	1	1	5				 		
Kansas	8	ii l	47.7	i			1	i		2			1			3	2	1			ıİ		
Louisiana	2	3	46.0							2				1							ıl		-
Maine	3	14	46. 4					5	1				1	8				I					-
Maryland	7	20	41.3	2	1		3	3				2	1	2	3	3							
Massachusetts	22	154	46.7		2	5	5	10	6	2	27	33	11	39	6		4		4		ıl		
Michigan	29	139	44.0	2	8	5	20	6	11	3	25		9	16	11	1	21		1				
Minnesota	5	25	47.4						4		5		15		1	J							
2 Including data for 1	agt a blic	h	اماماست سما		i)a ana	mot ab				Inglad	lina d	sta for	2 aatal	liahma	nta f	or wh	iah dat	oila or	o not	chow			

² Including data for 1 establishment for which details are not shown.

³ Including data for 3 establishments for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

FOUNDRIES-Continued Number of employees who during one week worked-Number of-Average Over Over Over Over Over Over Over hours 16 50 72 actu-44 54 Occupation, sex, and State Unand and and Over and Estab- Emally and and and and and and 72 50 der ununununun-der lishployworked unununununder hrs. hrs. hrs. hrs. hrs. hrs. 16 der der hrs. hrs. hrs. der der der der der der ments in 1 24 32 40 hrs. 50 54 60 7284 week 44 48 hrs. hrs. hrs. hrs. hrs. hrs. hrs. hrs. hrs. hrs. Pattern makers, male-Continued. Missouri 7 2 13 26 1 New Hampshire 40.4 137 52.1 10 10 10 13 New Jersey 20 31 16 11 New York..... 115 50.5 6 2 5 21 30 3 18 21 42 178 49.3 2 32 Ohio_____ 2 1 Oregon.... 38.7 30 3 161 10 24 26 15 48.7 14 16 Pennsylvania.... 4 Rhode Island 11 52.6 3 Tennessee.... 5 13 46.4 5 Texas..... 4 44.5 44. 1 Washington.... 10 132 49.0 3 26 3 12 51 Wisconsin 4 236 142 114 208 150 57 168 69 Total 2 259 1,512 47, 7 12 23 21 91 83 76 51 MACHINE SHOPS

		í I		1 1		1	l	1		i .		ŀ			l	1		ł	1	l i		1	
Assemblers, male:			50.0												١,	١.	,,,		!				ı
Alabama	2	22			1	\		1			1		1 1	1	1	I	15						
California	14	146	46. 9	1	3	1	7	4	9	32	23	22	9		16		. 7		12				
Connecticut	18	324	49. 2	2	3	3	14	3	11	1	89	5	17	80	12	16	39	5	19		4		1
Georgia	2	7	52.8			- -								1	5		1						
Illinois	31	860	49. I	9	2	19	31	12	39	22	51	84	98	223	151	21	64		28		5		. 1
Indiana	14	325	50. 0	3	3	4	11	3	11	3	30	1	18	90	94	1	34	6	8		5		
Iowa.	9	89	52. 9	1 1	2	1	1	2		2	6	1	2	7	13	3	40		- 8				
Kansas	3	40	40. 2	2	7	4	2	1			4	5	2		5		6		2				
Kentucky	6	76	43.8		3	2	7	1	18	2	5	28	1	3	4		2						
Louisiana	2	2	56. 0	il					- . !							1	1						
Maine	3	22	42.7		1	1	1	1	3	4	5			6				li					
Maryland	5	41	45. 5	1. 4			-	6	4	3	5	3		9	6								

109537°297	Massachusetts. Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	9 24 5 15 4 26 22 72 72 5 42 10 2 5 4 4 14	241 504 68 134 16 480 976 1,718 30 1,187 143 30 67 34 437	47. 1 49. 1 45. 8 50. 2 49. 9 49. 4 47. 2 47. 1 43. 6 47. 0 46. 2 43. 7 50. 1 48. 2 48. 7	3 10 21 1 7	4	9 10 	17 25 1 3 16 42 151 4 147 20 2	2 3 4 1 8 18 2 31 1	26 22 2 9 36 38 85 1 91 4 1 5 1 20	3 21 28 25 17 7 12	26 40 23 10 25 422 301 5 203 40 1 3 13 48	88 89 14 82 189 277 4 94 1 21 4 10 17	3 17 28 13 1 34 9 144 2 40 4	9 68 	22 88 8 1 31 36 200 1 115 13 9	8 -41 -4 -18 -20 -30 	18 79 7 12 44 51 118 3 191 3 76	7 1 6	14 18 1 3 41 35 41 51	1	1 9 	
	Total	368	8, 019	47. 9	72	89	180	545	107	436	197	1, 379	1,039	461	1, 200	935	182	820	42	302	2	29	 2
1	Boring-mill hands and operators, male: Alabama California. Connecticut Georgia. Illinois. Indiana Iowa. Kausas Kentucky. Louisiana. Maine. Maryland Massachusetts. Michigan Minnesota. Missouri New Hampshire. New Jersey. New York. Ohio. Oregon Pennsylvania. Rhode Island Tennessee Texas. Washington Wisconsin.	2 15 16 4 30 3 3 3 3 3 3 3 27 15 21 74 4 4 25 21 74 4 4 25 3 3 14	14 63 109 7 253 30 19 6 6 6 6 10 4 4 110 84 115 52 208 514 12 33 8 6 15 16 15 16 17 20 20 20 20 20 20 20 20 20 20 20 20 20	54. 0 47. 7 52. 5 54. 8 47. 8 50. 2 56. 8 54. 5 39. 3 50. 5 42. 2 43. 0 48. 5 50. 4 47. 7 46. 0 49. 5 43. 3 50. 5 43. 3 50. 5 44. 6 47. 7 48. 4 47. 7 48. 6 47. 6	1 2 6 4	ļ	1 1 1 2 5 1 1 1 1 2 5 8 1 3	1 9 1 1 1 1 1 1 5 5 2 2 2 2 2 1 1 1 7 7 7 1 1 1 4 4	3 3 3 5 1 9 2 1 13 13	28 1 1 1 2 2 2 5 4 4 2 2 1 1 1 2 5 5 1 1 1 2 5 5 1 1 1 2 5 5 1 1 1 1	20 29 4 1 2 2 2 1 1 3 5 3 9 4 4	8 14 1 166 3 1 1 188 13 3 6 2 2 8 8 40 59 10 1 1 3 11 1 1 3 1 1 1 1 3 1 1 1 1 1 1	12 3 10 2 1 1 22 1 122 45 46 27 5	7 32 1 1 1 2 8 6 7 6 43	36 7 1 1 19 16 1 1 34 12 61 4 2 8 8	1 6 2 2 3 21 10 1 1	2 1 1 10		2 1 9 5 3 1 4 21 7 1	18 1 1 1 1 2 1 1 6 6 7 3 1 1 2 8 2 1 1 2 1 1 2 1 1 2 1 1 1 2 1 1 1 2 1 1 1 1 2 1	1	1 3 3	1 i
	Total	354	2, 208	49, 1	21	26	40	114	48	141	93	262	236	131	280	232	87	259	55	158	1	20	 4

² Including data for 1 establishment for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

MACHINE SHOPS—Continued

	Numb	er of—	Aver-						Nun	ber of	emplo	yees w	vho du	ring or	ie wee	k wo	rked—						
Occupation, sex, and State	Estab- lish- ments	Em- ploy- ees	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	24 and un- der 32 hrs.	32 and un- der 40 hrs.	40 hrs.	Over 40 and un- der 44 hrs.	44 hrs.	Over 44 and un- der 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and un- der 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	84 hrs.	Over 84 hrs.
Drill-press hands and operators, male: Alabama California Connecticut Ceorgia Ilian's Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minsesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Tevas Washington Wisconsin	2 18 17 3 34 14 7 6 6 7 7 2 2 5 5 17 7 28 23 79 6 43 12 6 6 43 15 15 15 15 15 15 15 15 15 15 15 15 15	26 115 155 12 733 168 78 15 21 5 21 349 327 35 89 92 205 413 755 18 682 109 26 29 24 275	50. 8 46. 2 50. 0 46. 9 46. 5 55. 3 52. 7 40. 3 56. 7 47. 9 47. 3 46. 8 46. 2 50. 5 48. 6 47. 2 42. 1 47. 0 44. 9 45. 0 46. 6 43. 4 43. 4 50. 1	11 19 3 3 1 	2 14 5 2 1 1 10 2 1 1 2 1 1 2 1 1	1 2 2 2 15 3 3 	26 4 4 1 1 2 2 3 3 3 17 22 2 2 4 4 1 187 7 1 1 1 2 2 2 2 1	10 4 13 3 4 2 2 1 30	12 7 7 2 1 3 3 5 5 2 3 15 4 4 1 7 6 6 2 1 1 1 1 7 7	39 2 160 1 3 3 3 7 6 6 1 1 1 3 3 6 4 4 1 3 3 15	1 10 23 41 20 7 7 4 65 28 6 61 11 27 110 95 5 2 107 3 3 3 3 3 6 6 6 6 6 6 6 6 7 7 7 8 8 8 8 8 8 8 8 8	1 16 37 2 2 1 4 4 4 23 56 34 15 6 17 138 78 1 1 11 2 2 6 18	1 6 10 50 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 3 44 1 170 39 8 8 2 2 5 9 75 666 2 2 5 84 299 113 799 200 3 8 8 1 21	13 14 6 777 35 3 3	1 1 21 15 2 2 1 5 4 	18 4 4 14 2 2 39 16 6 28 8 6 6	13 9 8 8	1 1 2 7 11 30 33 3 1		1		
Total	433	4, 759	47. 5	57	55	114	338	101	270	272	654	518	271	787	478	128	464	63	179		9		1
Fitters and bench hands, male: Alabama California Connecticut	2 17 11	12 197 277	53. 8 48. 2 51. 0		1 1	3	1 5 9	3	10 9	67	22 27	23 1	8 14	3 119	14 9	3 4 37	8 9 45	3 2	20		2 1		

Total 2	Georgia Illinois Indiana Iowa Kansas Kentucky Maine Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	24 10 4 4 5 25 25 5 10 62 33 33 36 62 3 3 13	19 562 131 31 29 63 1, 100 489 12 264 64 64 64 64 68 922 856 8 952 114 20 63 1 20 63 378	49. 1 47. 5 52. 7 55. 2 44. 3 48. 2 48. 3 50. 3 51. 2 48. 4 47. 2 48. 4 47. 2 48. 3 48. 3 51. 2 48. 6 44. 7 49. 3 49. 7	2 1 1 1 9 13 3 10 1 2 1 1	1 1 11 8 2 12 5 5 11 1	10 4 1 2 23 33 15 3 9 18 20 18 20	28 2 1 6 47 32 1 1 1 15 42 51 73 10	45 3 3 13 1 2 2 31 20	30 1 1 8 4 61 11 4 2 26 62 44 77 5 2	56 1 1 9 36 4 	17 40 51 3 1 7 140 39 4 2 1 32 98 165 103 21 2 1 15 29	78 1 6 189 41 16 60 423 123 166 2 7	21 2 1 2 1 30 7 5 1 31 16 101 1 37 7	77 38 4 244 120 6 138 35 67 74 46 6	77 13 3 1 1 132 67 2 11 16 46 102 62 19 1 1 2 93	20 2 7 20 7 35 9 5 7 43 29	1 58 12 17 2 99 69 5 10 70 80 1 231	12 	1 16 5 3 33 33 1 2 9 58 8		1 3		
California	Total 2	332	6, 661	48. 1	57	60	132	343	129	370	261	820	1, 173	356	991	672	2 31	784	39	228		15		
298 2, 285 47.9 16 20 32 187 48 123 103 309 295 178 396 191 45 214 27 87 6 7	operators, male: California Counecticut Georgia Illinois Indiana Iowa Kansas Kentucky Maine Maryland Massachusetts Michigan Minesota Missouri New Hampshire New York Ohio Pennsylvania Rhode Island Washington	15 2 24 11 5 2 2 34 21 10 3 15 15 15 15 2 2 2 2 2 2 2 2 2 2 2 2 2 2	122 5 412 93 38 8 17 185 173 14 27 13 84 185 390 217 129 8	49. 3 50. 6 48. 7 51. 4 52. 5 55. 1 46. 1 47. 2 46. 3 47. 1 47. 8 45. 1 47. 0 46. 6 47. 8	1	1 1 5	1 5 5 7 4 2	7 16 8 2 3 10 15 1 1 2 12 19 48 33 7	5 1 9 2 5 12 1 8 2	1 20 3 2 2 1 16 9 2 2 2 8 6 23 15 6	1 45 1 1 1 2 1 4 6 7	22 28 11 6 1 25 60 2 2 2 41 24 25 5	28	3 26 5 5 7 1 5 9 7 1 1 5 3 74 10 15	1 106 18 4 2 10 35 20 11 14 8 43 222 57	1 16 4 7 5 21 22 13 1	3 1 6 1 3 7	19 29 1 1 1 1 29 1 1 1 2 5 36 18 1	3 5 2 4 3 3 7 2	2 4 14 10 6 6 1 1	1	1 2 1		
			<u></u>																	===		<u> </u>		

² Including data for 1 establishment for which details are not shown.

Including data for 5 establishments for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

MACHINE SHOPS—Continued

	Numb	er of—	Aver-						Nun	ber of	emplo	yees w	ho du	ring on	ie wee	k wo	rked⊶						
Occupation, sex, and State	Estab- lish- ments	Em- ploy- ees	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	24 and un- der 32 hrs.	32 and un- der 40 hrs.	40 hrs.	Over 40 and un- der 44 hrs.	44 hrs.	Over 44 and un- der 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and un- der 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	84 hrs.	Ove 84 hrs.
Leborers, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Islaud Tennessee Texas Washington Wisconsin	6 21 16 8 32 15 9 5 5 4 4 4 6 6 6 32 29 23 38 0 34 4 12 6 6 1 4	53 194 202 71 1,009 319 75 26 25 40 33 58 841 672 103 373 871 1,225 21 1,122 11 157 38 35 33	47. 4 44. 7 50. 6 50. 1 48. 6 51. 7 55. 0 44. 3 46. 7 43. 9 48. 6 44. 3 47. 3 50. 5 50. 4 48. 2 48. 7 42. 7 42. 7 44. 7 46. 7 47. 7 47. 7 48. 7 49. 6	3 9 1 10 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 3 3 3 1 1 1 3 3 3 4 4 6 6 188 20 188 1 2 6 6 2 9	3 3 4 8 8 3 19 13 2 1 1 1 5 5 7 7 7 3 3 16 16 1 3 3 1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	2 9 9 6 6 32 11 1 1 3 2 4 44 44 31 1 1 9 9 1 14 38 99 9 4 84 4 5 5 3 6 6 11	3 2 1 21 6 6 2 2 1 1 1 6 6 12 9 9 8 8 1 5 3 2 1 1 8 3 3 2 2 1	2 11 12 39 9 1 3 3 2 16 6 8 8 3 62 2 1 1 33 3 62 2 1 1 93 10 5 5 5 12	43 1 1 123 3 1 7 7 4 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 29 25 5 60 30 3 4 8 7 13 4 99 86 11 1 2 1 66 122 3 166 38 4 19 11 11 12 11 16 16 16 16 16 16 16 16 16 16 16 16	25 666 4 1 1 2 1 18 92 53 14 10 45 2777 135 3 118 5 17 20	3 7 6 42 9 	1 1 12 65 6 6 273 75 5 8 8 301 112 2 2 3 3 122 67 64 152 30 20 20	2 19 24 17 142 52 2 1 4 4	6 4 4 9 1 32 33 3 10 10 10 12 28 28 11 42 57 1 42 31 3	18 12 26 17 94 47 34 6 1 3 3 72 129 15 13 6 37 177 11 206 5 13 62	3 4 8 11 3 1	3 4 4 12 4 3 30 28 13 3 1 1 3 6 4 4 4 4 5 4 4 5 4 6 8 5 8 13 3 2 2 2 3	1 1 1 1 1 1 1 1 1	2 3 1 9 7 1 1 1 1 1 2 4 4 4 	1	
Total	459	8, 342	48. 6	127	131	184	426	134	397	273	960	949	404	1, 392	941	332	1, 038	118	438	10	75	2	1

Lathe hands, engine, male:		1 1		1 1		1	1	1	1 1		1 1		. 1		1	ı	1	í 1		,	1	
Alabama	2	22	49. 6	1		2	1		1		1	1	2	1	7	8		•]		
California	16	219	45. 4	3	1	3	9	6 13	92	16	28	11	í	16	li	13	ī					-
Connecticut	19	232.	49. 8	2	2	2	9	1 9	2	50	8	18	43	20	19	20	5	21				
Georgia	4	17	55. 5	-	- 1		9	1 3	-	2	0	10	40	7	19		0	4		1		
Illinois	33	865	48. 1	3	7	17	00	14 53	113	38	38		007			4						
Indiana	10	183	48.1	5	2	7	²⁶ ₃	14 53 3 6				54	297	81	60	45	7	11		1.1		
Iowa	7	48	53, 9	9	2	- 1			4	44	1	5	30	39	1	16	2	14		1		
Kansas	7	40			;-		1			5	3	1	11	2		10	2	10				
Vantuoler			50. 3	1	1		2	1 1	1 1	8	3	1		1	8	9		1		2		
Kentucky	7	46	43. 4		3	2	6	2	7	4	11		7]	4						
Louisiana	3	19	52. 2			1	2		3						6	3		4			!	
Maine	3	56	44. 1		1	1	1	3	17	28			5									
Maryland	4	31	43. 1		1	2	2	4 4	1	3	11 :		1	2								
Massachusetts	36	648	47. 1	3	7	15		26 36	8	73	118	39	155	38	6	40	1	25				
Michigan	21	278	47.8	7	2	8	20	16	1	33	39	7	45	31	5	45	14	5				-
Minnesota	5	53	47.7	1			1	4		14		24		1	-	8						•
Missouri	16	159	48.4	4	1	1	4	2 2	2	7	56	21	5	6	42	! 4		2				-
New Hampshire	6	54	49.3	i	3		2			i	6	3	18	ĭ	15	5					;	- -
New Jersey	26	252	46.8	7	4	6	11	1 24	12	$2\overline{2}$	25	23	68	18	1 2	17	3	8	1			
New York	$\tilde{22}$	438	48. 7	5	4	10	34	2 16	8	87	87	11	36	32	14	49	1	41	1			
Ohio	80	1,014	48.0	8	9	25		44 65	6	154	98	113	102	90	43	113	10			1		
Oregon	5	26	43. 2	1		1	13	2 1	8	6	3	113	102	90	43	113	10	37		Ζ.	;	
Pennsylvania	44	727	48. 2	3	6	8		$\frac{1}{22}$ $\frac{1}{47}$	9	115	89			100	32	1						
Rhode Island	11	125	46.7	0	1 1	3	6					27	90		32	86	11	28		2		
Tennessee	3	40	47.6		1	0		8		49	1	7	39	10								1
Texas	6	66	47. 3				2	1 1		6	18	1	10			1				;	'	
Washington	4	40	44.3	1			4	1 5	2	24	4	2	6	5	10	2						
wasmington						1	5	1 1	4 !	17	11			1								
Wiggerain															1	1			~	;	,	
Wisconsin	14	266	51.1	1	1	4	13	9	10	26	28	10	16	81	1	29	ī	33		3	-	
Wisconsin	14	266	51.1	1	1	4	13	9	10	26	28				!	!						
Wisconsin Total					$\frac{1}{56}$		13					10 381	16 987	81 582	272	29 532		33 269	1			1
Wisconsin Total	14	266	51.1	1	1 56	4	13	9	10	26	28				!	!						1
Wisconsin Total Lathe hands, turret, male:	414	266 5, 964	51. 1 48. 0	57		119	349 1	32 327	310	832	686	381		582	272	532		2 69				1
Total Lathe hands, turret, male: California	14 414 15	266 5, 964 96	45. 0	1	56	119 1	349 1	9 32 327 1 8	10	832 ————————————————————————————————————	686	381	987	582	272	532						1
Wisconsin Total Lathe hands, turret, male: California Connecticut	14 414 15 16	266 5, 964 96 91	45. 0 49. 4	57		119	349 1	32 327	310	832 13 23	686	381		582 4 14	272	532		2 69				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia	14 414 15 16 3	266 5, 964 96 91 6	45. 0 49. 4 50. 3	57		1 1 1	349 1 5 2	9 32 327 1 8 2	310	26 832 13 23 3	28 686 10 2	381 1 1	987	582 4 14 2	272 1 8	532	58	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois	14 414 15 16 3 23	266 5, 964 96 91 6 432	45. 0 49. 4 50. 3 47. 6	57	4	1 1 1 1	13 349 1 5 2	9 32 327 1 8 2 4 31	310 42 80	26 832 13 23 3 3 35	686	381 1 1	987 31 18	582 4 14 2 44	272	532 6 5 1 8		2 69				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana	14 414 15 16 3 23 6	96 91 6 432 80	45. 0 45. 0 49. 4 50. 3 47. 6 45. 9	57		1 1 1	349 1 5 2 22 8	9 32 327 1 8 2	310 42 80	26 832 13 23 3 35 5	28 686 10 2	381 1 1	987 31 18 18	582 4 14 2 44 11	272 1 8	532	58	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa	14 414 15 16 3 23 6 5	266 5, 964 96 91 6 432 80 38	45. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8	57	4	1 1 1 1	13 349 1 5 2	9 32 327 1 8 2 4 31	310 42 80	26 832 13 23 3 3 35	28 686 10 2	381 1 1	987 31 18	582 4 14 2 44	1 8 -12	532 6 5 1 8	58	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas	14 414 15 16 3 23 6 5 2	96 91 432 80 38 5	45. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5	57	4 2	1 1 1 1 3	349 1 5 2 22 8	1 8 2 327 4 31 6 6	310 42 80	26 832 13 23 3 35 5 4	28 686 10 2	381 1 1	987 31 18 18	582 4 14 2 44 11	272 1 8	532 6 5 1 8 8	58 34	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky	14 414 15 16 3 23 6 5 2 6	266 5, 964 96 91 6 432 80 38 5 42	45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0	57	4	1 1 1 1	349 1 5 2 22 8	9 32 327 1 8 2 4 31	310 42 80	26 832 13 23 3 35 5	28 686 10 2	381 1 1	987 31 18 18	582 4 14 2 44 11	1 8 -12	532 6 5 1 8 8	58 34	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Lowa Kansas Kentucky Louisiana	14 414 15 16 3 23 6 5 2 6 5	96 91 6 432 80 38 5 42 2	45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 56. 0	57	4 2	1 1 1 1 3	349 1 5 2 22 8	1 8 2 327 4 31 6 6	310 42 80	26 832 13 23 3 35 5 4	28 686 10 2	381 1 1 14 10	987 31 18 18 3	582 4 14 2 44 11 2	1 8 -12	532 6 5 1 8 8	58 34	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine	14 414 15 16 3 23 6 5 2 2 6 2 2	96 91 6 432 80 38 5 42 2 16	45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0	57	4 2	1 1 1 1 3	349 1 5 2 22 8	1 8 2 327 4 31 6 6	310 42 80	26 832 13 23 3 35 5 4	28 686 10 2	381 1 1 14 10	987 31 18 18 3	582 4 14 2 44 11 2	1 8 12	532 6 5 1 8 8	58 34	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland	14 414 15 16 3 23 6 5 2 6 5	96 91 6 432 80 38 5 42 2	45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 56. 0	57	4 2	1 1 1 1 3	349 1 5 2 22 8	1 8 2 4 31 6 6 6 3 10	310 310 42 80 1	13 23 3 3 5 4	28 686 10 2	381 1 1 14 10	987 31 18 18 3 1	582 4 14 2 44 11 2	1 8 12	532 6 5 1 8 8	58 34	269 2 1				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts.	14 414 15 16 3 23 6 5 2 6 2 2 2 3 3 3	96 91 96 91 432 80 38 5 42 2 16 11 254	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 46. 0	57	4 2	1 1 1 3 9	13 349 1 5 2 22 8 1	1 8 2 4 31 6 6 3 10 1 3 3 3 10	310 310 42 80 1	26 832 13 23 3 35 5 4 9	10 2 121	381 1 1 14 10	31 18 18 3 1 1	582 4 14 2 44 11 2 1	1 8 12 2	532 6 5 1 8 8 14 1 1 1 1 1	58 34	269 2 1 3 1 8 2				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts. Michiyan	14 414 15 16 3 23 6 5 2 6 2 2 2 2 2 3	96 91 96 91 432 80 38 5 42 2 16 11 254	45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 58. 5 66. 0 40. 7 47. 5	2 1 1 1 1	4 2	1 1 3 9	13 349 1 5 2 22 8 1 1 24	1 8 2 31 4 31 6 6 3 10	310 310 42 80 1 44 3	26 832 13 23 3 35 5 4 	10 2 121	381 1 1 14 10 	31 18 18 3 1 4	582 4 14 2 44 11 2 1 1 28	1 8 12 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	532 6 5 1 8 8 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34	269 2 1 3 1 8 2				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts. Michiyan	14 414 15 16 3 3 6 5 2 2 6 2 2 2 3 3 3 0 2 3 2 3 2 3 2 3 2 3 2 3 2	96 91 6 432 80 38 5 42 2 16 11	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 40. 7 47. 5 47. 5 46. 0	2 1 1 1 1 	7	1 1 1 3 9	13 349 1 5 2 22 8 1	9 32 327 1 8 2 2 4 31 6 6 6 3 10 11 3 10 9 14	310 310 42 80 1 44 3	26 832 13 23 3 35 5 4 9 8 4 36 45	10 2 121	1 1 1 14 10 	31 18 18 3 1 1	582 4 14 2 44 11 2 1	1 8 12 2	532 6 5 1 8 8 14 1 1 1 1 1	58 34	269 2 1 3 1 8 2				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas Kentucky. Louislana. Maine. Maryland Massachusetts. Michigan. Minnesota.	14 414 15 16 3 23 6 5 2 2 6 2 2 2 2 2 2 3 3 3 3 3 5 6 5 5 6 6 5 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	96 96 91 6 432 88 5 42 2 16 11 254 383	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 40. 7 47. 5 46. 7 46. 7	1 57 2 1 1 1 1 1 2 9 9	7	1 1 1 3 9	13 349 1 5 2 22 8 1 1 24 40	9 14	310 310 42 80 1 4 4	26 832 13 23 3 5 4 	10 2 121	381 1 1 14 10 	31 18 18 3 1 4 35 127	582 4 14 2 44 11 2 1 1 28 12	272 1 8 12 2 1 1 5	532 6 5 1 8 8 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34	269 2 1 3 1 8 2				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri	14 414 15 16 3 23 6 5 2 6 2 2 2 3 30 25 3 31 11	966 91 6 432 80 38 5 42 2 16 11 254 383 9	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 56. 0 40. 7 47. 5 46. 7 46. 8	2 1 1 1 1 	7	1 1 3 9	13 349 1 5 2 22 8 1 1 24 40 2	9 32 327 1 8 2 2 4 31 6 6 6 3 10 11 3 10 9 14	310 310 42 80 1 4 4	26 832 13 23 3 35 5 4 9 8 4 36 45	28 686 10 2 121 	1 1 1 14 10 11 	987 31 18 18 3 1 4 35 127	582 4 14 2 44 11 2 1 1 28 12 3	272 1 8 12 2 1 1 5 16	532 6 5 1 8 8 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34 6	269 2 1 3 1 8 2				1
Wisconsin Total Lathe hands, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Mussachusetts Michigan Minnesota Missouri New Hampshire	14 414 15 16 3 23 6 5 2 2 2 2 3 3 30 25 3 3 17	96 91 432 80 38 42 2 16 11 254 383 9 40 40 20	51. 1 48. 0 49. 4 50. 3 47. 6 45. 9 55. 8 56. 0 40. 7 47. 5 46. 8 46. 6 52. 0	1 2 1 1 1 2 9 1 1 1	7 3 9	1 1 1 3 	13 349 1 5 2 22 8 1 1 24 40	9 32 327 1 8 2 4 31 6 3 10 1 13 3 10 9 14 3 4	310 310 42 80 1 4 3 3	26 832 13 23 3 35 5 4 	28 686 10 2 121 	1 1 14 10 	987 31 18 18 3 1 4 35 127	582 4 14 2 44 11 2 1 28 12 3 1	272 1 8 12 2 1 1 5	532 6 5 1 8 8 14 1 1 1 1 7 73	34 6 1	269 2 1 3 1 8 2				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut Georgia. Illinois Indiana. Iowa. Kansas Kentucky. Louisiana. Maine. Maryland Massachusetts. Michigan. Minnesota Missouri New Hampshire. New Jersey.	14 414 15 16 3 23 6 5 5 2 6 2 2 3 30 25 3 30 25 3 11 7 7 25	96 96 91 6 432 80 38 5 42 2 16 11 254 38 9 40 23	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 58. 5 60. 0 46. 0 40. 7 47. 5 46. 7 46. 6 52. 0 46. 6	1 57 2 1 1 1 1 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1	7	119 11 13 3 	13 349 1 5 2 22 8 1 1 24 40	9 32 327 1 8 2 2 34 31 6 6 6 3 10 1 3 10 9 14 3 4 4 1 1 14 1	310 310 42 80 1 4 12	26 832 13 23 3 35 5 4 	28 686 10 2 121 	381 1 1 14 10 17 20 4 2 14	987 31 18 18 3 1 4 35 127 1 6 30	1 1 28 12 3 1 8	272 1 8 12 2 1 1 5 16 4	532 6 5 1 8 8 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34 6	269 2 1 3 1 8 2 				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut Georgia Illinois Indiana Iowa. Kansas Kentucky Louisiana. Maine Maryland Mussachusetts. Michigan Minnesota Missouri New Hampshire New Jersey. New York	14 414 15 16 3 23 6 5 2 6 2 2 2 3 30 25 3 30 25 11 7 7 25 25 25 25 25 25 25 25 25 25 25 25 25	266 5, 964 91 6 432 80 38 5 42 2 16 11 254 383 9 40 23 134 230	51. 1 48. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 40. 7 47. 5 46. 7 46. 8 46. 4 46. 4 46. 4	1 2 2 1 1 1 2 9 9 1 1 1 1 1 1 1 1 1 1 1	7	1 1 1 3 	13 349 1 5 2 22 8 1 1 44 40 2 1 11 128	9 32 327 1 8 2 4 4 31 6 6 3 10 1 3 4 3 4 1 14 1 14 1 14	80 1 310 1 2 310 1 3 3 3 1 1 1 1 1 1 1 1 1 1	26 832 13 23 3 35 5 4 9 8 4 36 45 4 3 3 18 57	28 686 10 2 121 68 7 5 4 14 48	381 1 14 10 	31 18 18 18 3 1 4 35 127 1 6 30 27	582 4 14 2 44 11 2 1 1 2 1 1 2 3 1 1 8 10	272 1 8 12 2 1 1 5 16 4 4	532 6 5 1 8 8 14 1 1 1 1 1 1 5 73 9	58 	269 2 1 3 1 8 2 2 				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas Kentucky. Louisiana. Maine. Maryland Maryland Massachusetts. Michigan. Minnesota. Missouri New Hampshire. New Jersey. New York. Ohio.	14 414 15 16 3 23 3 6 6 5 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	96 96 91 96 91 96 432 80 38 5 42 2 16 11 254 38 39 40 23 134 230 448	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 40. 7 47. 5 46. 7 46. 6 52. 0 46. 4 46. 4 46. 4	1 57 2 1 1 1 1 2 9 1 1 1 1 1 1 1 1 1 1 1 1 1	7 3 9	119 11 13 3 	13 349 1 5 2 22 8 1 1 24 40	9 1 1 3 10 1 1 1 3 4 1 1 1 4 1 3 9 2 25	80 1	26 832 13 3 3 5 4 9 8 4 36 45 4 3 3 18 5 51	10 2 121	381 1 1 14 10 17 20 4 2 14 5 51	987 31 18 18 3 1 4 35 127 1 6 30	1 1 28 12 3 1 8	272 1 8 12 2 1 1 5 16 4	532 6 5 1 8 8 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	34 6	269 2 1 3 1 8 2 				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts. Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon	14 414 15 16 3 3 3 3 6 5 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 1 7 2 2 3 2 3 2 5 2 2 5 2 5 2 5 2 5 2 5 2 5	96 96 91 6 432 80 38 8 5 42 2 16 11 1254 383 9 40 23 134 230 448	51. 1 48. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 46. 0 40. 7 46. 8 46. 4 46. 4 46. 4 46. 4 46. 4	1 2 1 1 1 2 9 1 1 1 3 3	7 7 3 9 1	119 113 3 7 11 22 5	13 349 1 5 2 22 8 1 1 24 40 40 2 1 1 1 1 28 55	9 32 327 1 8 2 2 4 31 6 6 6 3 10 1 10 9 14 1 3 4 1 14 1 4 13 9 25	310 42 80 1 	26 832 13 23 35 54 4 36 43 43 43 35 18 57 51 11	28 686 10 2 121 	381 1 14 10 	31 18 18 3 1 4 35 127 1 6 30 27 46	582 4 14 2 44 11 2 1 28 12 3 1 8 10 38	272 1 8 12 2 1 1 5 16 4 4 2 11	532 6 5 1 8 8 14 1 1 1 73 	58 34 6 	269 2 1 3 1 8 2 2 8 2 7				1
Wisconsin Total Lathe hands, turret, male: California. Connecticut. Georgia. Illinois. Indiana. Iowa. Kansas Kentucky. Louisiana. Maine. Maryland Maryland Massachusetts. Michigan. Minnesota. Missouri New Hampshire. New Jersey. New York. Ohio.	14 414 15 16 3 23 3 6 6 5 2 2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	96 96 91 96 91 96 432 80 38 5 42 2 16 11 254 38 39 40 23 134 230 448	51. 1 48. 0 45. 0 49. 4 50. 3 47. 6 45. 9 55. 8 58. 5 36. 0 40. 7 47. 5 46. 7 46. 6 52. 0 46. 4 46. 4 46. 4	1 2 2 1 1 1 2 9 9 1 1 1 1 1 1 1 1 1 1 1	7	1 1 1 3 	13 349 1 5 2 22 8 1 1 24 40 40 2 1 1 1 1 28 55	9 1 1 3 10 1 1 1 3 4 1 1 1 4 1 3 9 2 25	80 1	26 832 13 3 3 5 4 9 8 4 36 45 4 3 3 18 5 51	10 2 121	381 1 1 14 10 17 20 4 2 14 5 51	31 18 18 18 3 1 4 35 127 1 6 30 27	582 4 14 2 44 11 2 1 1 2 1 1 2 3 1 1 8 10	272 1 8 12 2 1 1 5 16 4 4	532 6 5 1 8 8 14 1 1 1 1 1 1 5 73 9	58 	269 2 1 3 1 8 2 2 				1

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

MACHINE SHOPS—Continued

	Numb	er of	Aver-						Nun	ber of	emplo	yees w	ho du	ring or	ie wee	k wo	rked—					_	
Occupation, sex, and State	Estab- lish- ments	Em- ploy- ees	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	and un- der 32 hrs.	32 and un- der 40 hrs.	40 hrs.	Over 40 and un- der 44 hrs.	44 hrs.	Over 44 and under 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and under 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	84 hrs.	Over 84 hrs.
Lathe hands, turret, male—Con. Rhode Island. Tennessee. Texas. Washington. Wisconsin	3 6 4	33 10 41 21 137	46. 7 48. 0 46. 6 43. 4 48. 5	1 1 2	4	1	2 1 1 6	1	1 2 4 7	1 2 9	16 1 11 7 22	1 7 12 5 7	1 1 1	6 1 5	6 2	2	2 16		 11				
Total 2	343	3, 167	46.7	29	46	57	320	58	226	184	438	462	162	428	269	80	277	55	70		5		1
Machinists, male: Alabama California Connecticut. Georgia Illinois. Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tannessee	13 8 28 12 8 5 5 5 4 7 27 25 6 13 8	45 239 198 67 356 147 40 28 24 58 41 186 410 234 27 127 150 278 27 296 168 79	51. 8 44. 2 53. 8 46. 9 48. 9 48. 6 51. 8 52. 1 44. 1 39. 8 47. 7 46. 7	1 1 2 2 2 1 4 1 1 1 1 1 1 1 1 3 3	5 1 2 2 1 6 2 4	6 1 3 1 12 3 1 14 4 4 4	1 111 13 55 86 62 11 77 17 32 11 15 17 3 20 11 16 7 5	13 60 2 11 2 2 2 2	3 12 6 2 14 12 3 	126 2 53 1 1 18 1 9 14 4 14 23 3 2 6	2 14 21 21 21 42 13 1 1 2 9 7 7 28 38 38 34 1 10 10 12 28 22 48 40 34 44	2 19 26 7 2 3 3 2 3 69 50 13 50 18 9 35 20 574	3 10 16 9 10 11 1 1 12 23 16 20 9 1 1 5 7 46 6 6 13 15	4 1 25 3 84 51 11 19 13 63 38 25 26 23 15 1 126 84 19 11 19 11 19 11 19 10 10 10 10 10 10 10 10 10 10 10 10 10	16 16 14 9 73 13 2 2 2 3 4 8 30 27 1 8 6 21 13 49	2 1 4 13 2 9 2 2 5 7 15 11 4 1	6 8 8 15 6 20 6 6 6 6 6 1 3 3 2 8 21 43 3 1 1 1 1 1 2 9 27 43 3 5	3 8 1 1 3 3 3	4 38 1 7 8 7 1 1 2 6 15 16 17 8 7 6	1 1	1	1	2

Texas. Washington Wisconsin.	9 7 12	73 61 137	42. 3 1 41. 8 53. 9	3	5 4 1	10	$\begin{bmatrix} 9 \\ 6 \\ 2 \end{bmatrix}$	1 9	1 7 4	19	12 5 9	6 3 4	3 2 2 4	1 <u>22</u>	5 2 29	5 1 7	8 1 2 23	 1	3	 1	1 2		
Total	395	3, 794	47. 7	64	57	75	189	130	173	301	470	435	248	571	390	133	299	33	180	3	40	1	2
Machinists' and toolmakers' helpers, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louislana Maine Maryland Massachusetts Michigan Missouri New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	395 3 20 4 17 6 5 8 2 2 2 3 6 6 12 111 233 211 134 5 26 9 9 4 8 8 5 13	3, 794 14 94 162 7 146 22 11 56 4 24 24 24 27 57 57 28 73 96 209 14 159 71 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	49. 8 46. 3 57. 7 45. 3 46. 1 51. 7 52. 3 34. 8 46. 1 47. 7 48. 6 49. 2 43. 4 44. 6 46. 3 39. 0 43. 6 51. 8	1 1 1 1 1 1 6 2 2 3 1 1 1 1 2	1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3 2 4 2 2 3 3 1 2 2 2 1 9 9 2 2 3 3 5 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5 0 5	189 1 6 5 3 3 1 2 2 7 7 3 4 4 2 2 2 8 8 10 0 2 6 6 2 1 6 6	1 8 4 4 2 1 5 5 3 3 1 1 32 2 3 3 1	173 2 2 2 5 5 1 1 1 2 2 3 4 4 3 3 3 7 7 4 4 2 2 2 2 4 4 5 5 3	31 1 40 2 2 4 2 1 1 6 1 1 4 7 110 110 110 110 110 110 110 110 110 1	144 15 1 144 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9 9 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	248 22 3 3 5 5 2 3 3 1 1 1 9 9 1 4 4 5 3 3 223 8 8 3 1 3 3 883	3 26 115 4 3 3 26 14 7 7 26 11 12 8 47 7 22 40 1 1 22 8 47 1 22 2 40 1 2 20 250	330 37 12 12 23 8 1 6 3 8 5 34 1 1 15 2 2 4 4 1 45	18 3 10 2 4 2 4 14 12 2 2	299 7 7 7 10 2 11 1 2 4 15 2 2 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	180 28 3 1 1 2 1 1 5 3 4 1 10 21	5	1 22 2 2 2 1 1 1 2 2 1 1 1 2 1 1 2 1 1 1 1 2 1		5
Milling-machine hands and operators, male: Alabama California Connecticut Illinois Indiana Iowa Kentucky Louisiana Maine Maryaland Massachusetts Michigan Minnesota	2 13 16 25 13 3 5 2 2 3 3 3 3 22 3	6 57 147 375 71 23 2 2 18 13 343 343 124	52. 7 46. 4 49. 7 48. 5 51. 0 57. 0 44. 5 49. 2 46. 5 42. 7 45. 5 50. 1 45. 7	3 1	1	1 9 1 10	1 5 6 16 1 1 1 2 1 28 1	2 1 1 1 80 1	7 6 31 3 10 14 4	21 1 60 2	4 25 23 8 1 4 5 1 35 22 3	5 2 34 2 4 37 13	5 17 22 2 2 1 1 1 1 13 2 8	46 56 19 1 7 47 33	3 14 54 22 1	1 2 13 1 1	5 3 14 31 7 5	9 2 2 2 2 2 3 4	3 8 16 7 10	6	1 4		5

¹ Including data for 2 establishments for which details are not shown.

² Including data for 1 establishment for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

MACHINE SHOPS—Continued

	Numb	er of—	Aver-						Nun	ber of	emplo	yees w	ho du	ing or	ie wee	k wo	rked—						
Occupation, sex, and State	Estab- lish- ments	Em- ploy- ees	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	24 and un- der 32 hrs.	32 and un- der 40 hrs.	40 hrs.	Over 40 and un- der 44 hrs.	44 hrs.	Over 44 and un- der 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and un- der 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	84 hrs.	Over 84 hrs.
Milling-machine hands and operators, male—Continued. Missouri New Hampshire	10 7	22 36	51. 1 48. 6		1	i	1 2			1	1 4	3 5	1 1	1 9	2 3	12 5	5						
New Jersey New York Ohio Pennsylvania Rhode Island	21 19 70 39 9	78 401 536 360 91	48. 8 47. 2 47. 9 46. 4 46. 5	4 3 5 1	7 6 4	10 13 10 10	3 17 40 42 6	2 17 5	6 13 23 40 5	6 8 2 3	7 114 64 36 29	10 146 85 61 1	5 77 15 3	23 16 63 25 40	5 14 37 43 5	5 8 12	5 16 68 51	2 2 10 4	2 22 20 4				
Tennessee	2 2 3 15	8 4 10 117	48. 9 52. 0 46. 5 51. 9	1	2	5	4	1	1 5	1 5	7 2	2 2 3	4	7	31	2	2 22	1	21		3		
Total 3	343	2, 872	47. 8	22	22	65	177	112	169	115	397	415	187	395	282	66	288	34	118		8		
Pattern makers, male: California Connecticut Georgia Illinois Indiana Kentucky Louisiana Maryland Massachusetts Michigan Missouri New Hampshire New Jersey	25 7 3 3 16 7 7 5	44 96 9 149 17 4 5 6 57 11 15 7	43. 7 49. 8 52. 6 48. 2 48. 1 49. 6 48. 1 49. 8 47. 5 50. 3 47. 8	1	1	3 1 1 2	5 2 5 5	1	3 4 1 4 1 1 1 6	21 27 3 3 3 3 3	5 11 7 8 	9 2 3 	32 1 1 	37 1 20 3 3 	6 1 36 2	3 6 1	8 6 5 1 2 1 8 1 3 3 3	1	1				
New York Ohio Oregon Pennsylvania	11 43 3 29	140 191 7 204	51. 5 48. 4 45. 8 49. 8		1 1	4 4 5	3 7 14	3 6 2	8	12 3 2	35 35 2 15	24 26 2 43	15 6	1 14 	10 25 16	1 9 5	24 28	i 	27 1 4				

Rhode Island	10 [57	50, 8	1	1	1	1 1	1 1			3 1		5 1	31	6	. 1	4				,	, ,	
Tennessee	3	7	49. 1		•		•	-				5	٠,	0.1	2		-		٥				
Texas	4	11	49. 9				1				2	2		3	-								
Washington	ā	17	46. 3					1	3		4	9							- 4				
Wisconsin	ลิ	95	50. 4			4	1	i	5	3	5	1	4	5	52								
***************************************		- 00	50. T			*			,	9	اد	1	4	. 0	92		10		4				
Total 2	235	1, 228	49, 1	1	5	25	52	20	43	78	157	153	87	166									
I Otal -	200	1, 220	49. 1	1	o	25	- 52	20	43	10	107	153	8/	100	171	30	177	3	60				
Planer hands and operators, male:																							
Alabama	2	6	50. 3)			!									_						i	
California.	14	41			1											3	1		1				
Connecticut	14 17		44.7		1	1	3	3	3	13	1	10		2	2		1		1				
Connecticut		148	53. 3	1			4		6	2	24	1	6	31	10	15	20	1	16	1	8		2.
Georgia	2	10	36. 6	2	1		2							1		1	3						
Illinois	23	135	46. 9	2	2	2	8	4	7	17	18	5	8	26	23	3	5		4		1		
Indiana	9	34	46.7		2	1		1	2		10			6	9		3						
Iowa	4	6	56.8									1		1	_	1	1		2				
Kansas	6	6	51. 9								1 1	iI	1		1	2	1						
Kentucky	4	13	42.6	1 1		1			1	1	1	8											
Maine	3	12	42. 1		. 2		'		1	3	1	1 i	1	3									
Maryland	2	8	44.3	1					4	1	4	- 1	_										
Massachusetts	31	177	48. 4	1	1	2	10	5	6	3	28	37	8	37	8	3	16	3					
Michigan	12	46	47.8	î	ĩ	2	î	ľ	i	1 1	8	13		6	2		5	3	2				
Minnesota	5	9	49. 2	1 1	-	~				1	2	10	5	ĭ	-		ĭ	0	- 2				
Missouri	10	48	46. 9				4	3	2	3	~	24	1	4	1	6	1						
New Hampshire	5	12	44. 9		2		1	٥		9	1	24	1	- 1	1	0							
New Jersey	23	71	47. 8		í	1	3		7	8	8	9-		11			1	;-	;-				
New York	21	174	48.4		1	5	13		9				7	11	11		.2	1	į.		1		
Ohio	68	462	49. 2	i-	5	7	35		21	1	43	40	7	10	8	6	15	10	5		1 1		
Oregon	3	402	44. 4	1	- 0	•	30	9	21	2	54	58	41	64	52	22	47	7	36		1		
Pennsylvania	42	254		<u>-</u> -			;;-	<u>-</u> -		2	2		::-	:			:-	=-					
Rhode Island	11	36	49.9	3	4	2	14	7	9	2	49	15	11	17	24	9	52	8	28				
Connected			46.3			1	4		1		13			9	8								
Tennessee	3	6	45. 2			1						3		2		!		-			l 		
Texas	3] 3	47. 4	- -					1				1	1									
Washington	4	7	47. Í							1 1	3	3						li			l		
Wisconsin	11	87	49. 9			1	4	1	6	15	5	7	1	7	27	1	6	ا ـ ـ ـ ـ ـ ا	2		4		
-		i																					
Total 2	339	1,818	48.8	12	24	27	106	33	87	77	276	235	98	246	186	72	180	33	107	1	16		2
				-																			
Screw-machine hands and opera-		1 1							i			i i						1	- 1		Į		
tors, male:		! !										1							i				
Alabama	2	4	54. 5												1	1	2				ļ		l
California	3	7	44.7				1	1	1	2					2	- i	-						
Connecticut	9	69	44. 9	1		1	4	1	6	ī	34		7	14	· -								
Illinois	18	116	45. 9	î	3	î.	o o	3	10	24	2	8	14	16	22		i	2					
Indiana	4	111	47. 6	1 -	1	-	٠	٥	1.0		í		14 I.	5	3		1	-			- -		
Iowa		6	58. 3								1		. P	1	3			2					
Kentucky	2 3	š	38.8			2			3		2	1		1			1	2	2				
Maine	2	4	50.0			2			اه		2	1			` -								
Massachusetts	26	115	47.8				14		3				1	3		'							
Michigan	20 15	68	48.0					2	3	1	13	23	5	26	20		8						
Missouri	4	7	48. 0 50. 2			2	5				13	7	3	25	8	1	3	- <i></i>	1				
	4	()	50. 2						JI		1	1]	2	1		2				!			
27 1 21 1 1 4																							

² Including data for 1 establishment for which details are not shown.

³ Including data for 3 establishments for which details are not shown.

Table D.—Average and classified hours actually worked in one week by employees in 23 specified occupations, 1927, by sex and State—Contd.

MACHINE SHOPS-Continued

	Numb	er of—	Aver-	1					Nun	ber of	emplo	yees v	vho du	ring o	ne wee	ek wo	rked-						
Occupation, sex, and State	Estab- lish- ments	Em- ploy- ees	age hours actu- ally worked in 1 week	Un- der 16 hrs.	16 and un- der 24 hrs.	and un- der 32 hrs.	and un- der 40 hrs.	40 hrs.	Over 40 and under 44 hrs.	44 hrs.	Over 44 and un- der 48 hrs.	48 hrs.	Over 48 and un- der 50 hrs.	50 hrs.	Over 50 and un- der 54 hrs.	54 hrs.	Over 54 and un- der 60 hrs.	60 hrs.	Over 60 and un- der 72 hrs.	72 hrs.	Over 72 and un- der 84 hrs.	84 hrs.	Over 84 hrs.
Screw-machine hands and operators, male—Continued. New Hampshire	14 49 21 11	7 30 170 432 287 62 104	52. 0 48. 5 45. 8 48. 1 43. 4 43. 1 49. 1	4 5 2	1 1 5 1	1 2 8 9 7 5	1 11 34 87 9 4	14 4	1 12 28 36 4 8	4 3	1 2 50 45 35 15	1 2 73 35 35 35	6 2 102 4 3	11 3 25 27 20 8	1 2 3 18 8 3 23	5 19	2 2 82 16	6 1	3 17 3		1 2		
Total 3	213	1, 520	46. 5	15	13	38	181	26	113	45	225	194	153	185	114	33	136	11	34	1	3		
Toolmakers, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Maine	15 18 4 24 13 3 2 6 4	8 56 115 6 300 77 11 2 12 16	57. 3 47. 7 48. 7 53. 6 49. 6 51. 3 53. 4 56. 3 44. 4	1 1	3	1 4 1	9 1	1	2 4 8 3 1	22 13 1	6 17 21 9 1	49	1 7 42 2 1 1 1 1 1 1 1	38 1 39 27 3	11 10 3 58 8	5 17 12 2	4 3 14 2 25 6 1 2	2	1 3 8 		7 1		
Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania	35	42 283 202 11 27 20 85 407 607 3	46. 9 47. 7 49. 2 47. 0 48. 5 51. 1 47. 3 48. 0 47. 6 45. 3	7	3 1 1	4 1 1 5 16	21 3 1 6 15 36 1	1 1 2 12 12	3 11 12 3 1 10 13 30	3 2 4 5 4 1	7 36 35 2 1 1 6 126 82	26 53 12 10 6 14 175 149	1 24 14 5 1 9 7 63	1 52 55 1 3 24 19 64	11 31 2 4 1 7 7 56	5 3 2 7 3	20 20 1 1 3 2 12 64 1 54	3	16 11 1 14 14 14				

Rhode Island Tennessee	11 3	109 9	48. 1 47. 2	1	2	<u>-</u> -				1		3	14	41 5	17	;		l	l.	 	
Texas Washington	6	13	46. 4 46. 8			1			1	1	1	2	1	3	1	1					
Wisconsin	14	159	50. 3	2	1	4	5	2	11	2	6	13	3	13	66		19		12	 	
Total 2	354	2, 863	48. 5	16	18	44	123	58	138	71	415	575	227	417	322	67	254	11	98	 9	

² Including data for 1 establishment for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State

FOUNDRIES

	Numb	er of—	Aver-						Numb	er of e	mploye	ees w h	ose ear	nings p	per wee	ek wer	e					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	\$85 and un- der \$90	and
hippers and rough grinders, male:																						
Alabama	2	23	\$17.74	1	1	1	15	5														1
California	21	101	27. 27		l īl	ī	2	20	46	30	1											1
Colorado	3	40	20, 74		l īl	4	9	19	6		ī									~~~		
Connecticut	16	114	24, 48		2	4	15	40	37	8	6	2										
Georgia.	4	38	11.61	1	20	8	7	2		-		_										
Illinois	24	293	27. 58	ī	4	9	44	56	71	63	19	11	9	4		2						
Indiana	13	166	23. 55	$\bar{4}$	ŝ	13	32	39	44	24	6	ī	•	-		_						
Iowa	11	70	24. 43	-	ž	-3	8	34	9	-6	5	-	2		1							
Kansas	8	38	18. 97	1	6	2	8	18	3		"		_		•							
Kentucky	5	20	19. 97	$\tilde{2}$	*	-	7	6	5													
Louisiana	5 3	34	15. 68	ĩ	1	9	17	6														·
Maine	3	24	21. 69	•	1 1	ĭ	10	7	3	1	2											
Maryland	3 7	37	20. 09		2	3	13	13	3	3												
Massachusetts	1 28	378	25. 32		6	4	25	202	71	30	15	13	7	?	2		1					1
Michigan	28 38	380	25, 51	7	ğ	36	49	81	81	62	35	14	5	ĩ.	•							
Minnesota	5	43	28. 85	i	"	00	3	15	7	5	8	1										
Missouri	11	51	24. 09	-	11		5	25	17	i	"	*										
New Hampshire	1 1	27	24. 03		1 1	$\frac{2}{2}$	9	14	7		1	1										
New Jersey		250	25. 58		2	21	22	46	101	46	8	2										
New York	23	296	29. 00		7	3	23 28	55	74	50	54	20	1 2	1.	1	1	;					
Ohio.	50	486	23. 32	4	ıi l	35	89	187	76	56	18	7	ĺí	1			1					
Oregon	7	23	23. 57	- !	11	99	09	16	4	1	10	٠ ١	1				1		~			
Pennsylvania	38	470	24. 85	6	10	20	70	139	141	45	14	22	2			-						

³ Including data for 3 establishments for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

FOUNDRIES—Continued

	Numi	oer of—	A ver-						Numb	er ot er	mploye	ees wh	ose ear	nings	per we	ek wer	e-					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	un-	\$90 and over
Chippers and rough grinders, male—Continued. Rhode Island Tennessee———————————————————————————————	8 4 5	120 33 22	\$23, 90 14, 04 17, 19	1 1	2 3 1	4 12 2	20 16 10	52 1 7	19	20	2											
Washington Wisconsin	7 13	26 254	29. 12 29. 00	2	7	5	31	47	9 64	12 41	20 20	13	13	7	i	2		1				
Total	379	3, 857	25. 04	33	103	205	559	1, 153	899	504	218	111	42	16	6	5	2	1				
Core makers, male: Alabama California Colorado Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New York Ohio Oregon	26 16 11 8 6 5 4 7 28 35 5 12 7 17 24 5	19 117 20 96 66 31 227 170 78 15 9 14 9 52 163 338 51 163 9 130 220 333 338 51	27. 57 37. 26 32. 73 34. 63 32. 05 35. 20 30. 70 35. 92 26. 96 31. 89 28. 77 23. 39 26. 98 30. 54 32. 39 36. 54 32. 39 36. 54 32. 39 36. 54 37. 39 38 38 38 38 38 38 38 38 38 38 38 38 38	1 1 2 1	1 5 4 1 1 1 4 1 1 1 1 4	3 3 3 2 2 2 6 6 7 3 1 1 5 5 3 3 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 4 4 1 1 8 8 9 9 17 3 1 2 3 3 9 24 2 2 2 7 13 2 2 2 7 13	7 13 122 21 9 4 1 1 4 10 16 45 7 6	1 10 7 16 1 30 20 7 3 2 2 2 2 2 	23 4 22 23 37 39 17 3 3 7 1 6 6 35 71 5 72 20 48 70 22	4 177 4 211 3 444 311 8 3 3 1 1 9 49 588 8 6 41 106	3 42 3 16 49 16 11 	12 1 8 19 11 3 	3 	4 2 6	1 2 1 4	2	3	1		1	1
Pennsylvania Rhode Island Tennessee	38 8 7	512 52 41	32. 68 29. 31 25. 86	1	2	9	25 5 6	54 7 7	132 13 7	89 17 10	73 5 3	76 3 2	43	6	2	1						

Texas Washington	9 7	26 17	29, 45 34, 51				4	5 1	7 4	3 1	3 9	3 1	1 1									
Wisconsin	13	156	29.85	2	5	8	10	19	31	28	25	25	2	1								
Total	401	3, 040	33. 44	11	36	70	165	300	495	574	582	433	250	69	34	11	3	4	1		1	1
Core makers, female:																					=	
Illinois	4	52	24.07		1	3	12	15	11	5	4	1										
Indiana	2	18	23. 59			1	3	7	7						!							
Kentucky	2 2	5	20.82				2	3														
Massachusetts	2	3	31.65					1	1			1										
Michigan New Jersey	1 1	55	14.39	6	12	13	11	8	3		2											
New Yerk	4 4	49	19.00	1	6	18	5	9	3	2	2	1	1	1								
New York	'2	54	22. 09		2	3	14	22	5	5	2	1										
Ohio Pennsylvania	2	14 29	21.00			3	5	3	1	2					!							
Rhode Island	3	29	17. 74			8	14	5	2													
Wisconsin	4	31	20. 64 19. 83			2	10	2	2													
					3	5		5	5	2	1											-
Total 1	41	324	19. 92	7	24	61	79	80	40	16	11	4	1	1	!							
Laborers, male:				===		===			===		===	=	===					===	==	===	===	===
Alahama	4	67	16.47	2	6	9	37	11	2						ļ		i .		ı İ			i
California	20	258	25, 67	4	ĭ	4	26	88	85	23	20											
Colorado	2	24	21. 59	1	i		6	11	4	23	1	'										
Connecticut	16	490	23. 77	2	4	20	91	201	91	49	$2\overline{4}$	5	2									
Georgia	7	165	13. 11	9	20	81	53	201	31	13	24	, ,		1								
Illinois	28	902	26. 14	8	14	58	67	277	270	91	42	36	25	11	2	1						
Indiana	15	839	23, 46	17	$\hat{27}$	48	165	240	191	97	33	11	5	15	- 4	1						
Iowa	11	186	24, 15	5	2	17	34	51	34	16	20	4	2			1						,
Kansas	6	28	17.82		5	4	10	5	2	2	-0											-
Kentucky	4	23	17. 35	3	ĭ	Î	8	9	1	. ~												
Louisiana	4	34	15.18	2	3	9	16	3	1				~									
Maine	3	39	22, 19	'			9	21	7	2												
Maryland	7	135	16. 91	1	14	25	61	26	6	2												
Massachusetts	28	695	23. 75	1 7	13	38	126	227	166	59	53	6										
Michigan	39	1, 521	24.64	23	54	123	185	417	375	174	84	51	26	6	1		2					
Minnesota	5	105	24.42	1		7	19	46	15	2	8	6		1								
Missouri	12	145	20. 55	2	13	16	43	33	22	10	3	2	1									
New Hampshire	6	31	19.48		2	3	11	11	3	1					!							
New Jersey	17	705	22.71	12	22	32	163	237	149	45	39	4	2									
New York	25	741	26. 81	3	21	30	76	187	176	134	62	26	13	9	3	1			!			
	52	1, 237	23. 23	16	26	66	249	409	272	145	33	16	4	1								-
Oregon	7	53	20. 44	2	1	1	18	24	6	1												
Pennsylvania	40	1,602	22.06	17	19	174	384	507	332	124	35	10										
Rhode Island	8	193	25.73		1	1	14	69	78	14	13	2	[I]									
Tennessee	7	87	13.63	1	9	45	30	2														
Texas Washington	9	196	16. 03	6	9	66	82	28	5													
Wisconsin	13	55 461	24, 69 28, 31	2	1	2	4	15	24	7		1	::-	::-								
					4	13	33	120	124	74	45	19	15	10	1	1					- -	
Total	401	11,017	23. 54	147	293	893	2,020	3, 277	2, 441	1,072	515	206	96	44	7	4	2					
									<u> </u>													

¹ Including data for 2 establishments for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

FOUNDRIES—Continued

	Numi	er of—	Aver-						Numb	er of e	mploye	es wh	ose ear	nings j	per wee	ek were	e					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	un-	and
Molders, hand, bench, male: California Connecticut Georgia Illinois Indians Iowa Kansas Kentucky Louisiana	13 4 22 14 7 6	60 111 34 134 109 53 8 11	\$38. 10 29. 84 27. 40 36. 16 36. 47 40. 41 29. 52 30. 17 20. 94	1	1 1 2	8	1 7 4 6 6 2 1	13 10 6 11 3 1 4	6 31 8 14 9 7 2 4	6 36 7 37 17 9 2	7 14 4 23 13 7 1	35 4 28 15 6 1	2 3 11 6 5	1 4 12 6	2 3 5	3 1	1 1 2	1 1		1		1
Maine Maryland Massachusetts Michigan Minnesota Missouri	35 4 6	12 31 295 294 36 18	32. 14 31. 35 39. 14 35. 85 39. 15 30. 10	2 1	2 8	2 8	1 3 10 1 2	2 16 28 2 2	10 19 36 3 7 5	9 9 32 47 3 3	5 99 57 6 2	4 59 34 8	21 27 8 2	19 9 4	12 12	4 8	6 3	1 3	2			
New Hampshire New Jersey New York Ohio Oregon	15 20 43 5	25 73 157 237 8 185	32. 83 40. 30 34. 98 33. 85 31. 43 34. 01	1	1 1 1	8	1 12 11 5	5 19 19	1 20 52 1 36	5 40 36 4 40	21 25 40 1 44	17 10 26 1 29	17 4 34	5 8 7	16 3	1 1	1					
Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	8 4 6	185 57 34 15 11 50	33. 07 23. 13 35. 83 36. 65 29. 23	3 <u>2</u>	1	2 2 6 2	5 5	3 4 14	13 2 2 1 9	18 6 6 2 14	9 2 3 5	1 5 3 3 4	3	1 1	2	1 1		î				
Total 2	324	2, 063	35. 12	10	20	41	82	180	301	395	401	298	151	79	57	21	15	8	2	1		
Molders, hand, floor, male: Alabama California Colorado Connecticut Georgia	19	53 205 49 244 68	38. 19 39. 34 34. 08 35. 55 30. 93		1 1 4	6 5 5	2 1 1 3 4	4 8 7 18 7	2 11 16 15 16	8 30 2 81 9	12 18 7 54 23	15 90 7 25 2	3 33 7 25	3 4 2 5 2	1 1 5	2	1		1	1		

Illinois	28	361	35.46		5	1 1	15	41;	27	62 56	61	106 j	25 13	11	3	3	1					
Indiana	15	288	32.06	1	2	6	24	31	51	56	54	42		7	1							
Iowa	11	130	40.68		2	1	4	10	10	22	17	23	6	7	7	13	8					
Kansas	9	44	31.85		3		1	6	7	10	7	6	1	3						'		
Kentucky	7	35	29, 49		1	2		1	13	11	6	1									:	
Louisiana	5	41	30. 21		1		2	2	12	15	6	3										
Maine	4	35	28, 42		2			18	6	3	1 1	1 1	1	1 1	2							
Maryland	7	96	32.94		1	1	2	7	25	24	21	9	3	2	1							
Massachusetts	27	367	41, 82			2	1	16	14	27 92	132	70	41	21	10	9	11	7	3	2	1	
Michigan	33	417	34, 19		8	8	15	49	45	92	74	62	44	15	4					1		
Minnesota	4	45	29, 86	1				9	8	23	1	1	2									
Missouri	12	146	37.48		1		4	14	14	30	22	3	49	5	2	1	_	1				
New Hampshire	8	49	29.10		1	3	5	9	6	13	2	š	2			_		I				
New Jersey	16	262	39.45		2	2	2	8	24	37	67	48	37	23	7	3	1		1			
New York	25	326	36. 88	1	· ī	ī	21	29	32	46	80	56	22	12	11	4	Ā	4	2			
Ohio	51	832	37. 46	3	13	13	22	48	62	128	183	128	187	28	- 9	- Â	3	_	1			
Oregon	7	38	32, 12	"	10	5	1	ĭ	3	13	9	4	2	_~	"		ľ					
Pennsylvania	40	739	34. 84		5	3	20	71	125	144	162	108	73	19	3		3	2				
Rhode Island	8	106	35. 78		١	- 1	4	î	19	43	13	9	6	4	2	5		~				
Tennessee	7	87	28. 92	1	3	3	7	7	22	27	7	ğ l	ĭ	•	- 1							
Texas.	10	69	36. 15		1	1	•	4	9	îi	18	18	4	2	ī							
Washington	7	67	35, 61			3			Ă	19	25	12	4		- 1							
Wisconsin	12	176	32. 95		i	9	11	23	22	38	21	26	18	4	3							
Total	402	5, 375	35. 91	7	59	80	172	449	620	1,024	1, 103	892	609	180	73	46	34	14	8	4	1	
Molders, machine, male:			` 							===												
California	6	16	43, 68			1		2	2	1		2	5	3						1		
Colorado	ž	4	24, 99				1	1	$\bar{2}$			- -										
Connecticut	8	111	31, 34		2		6	14	23	32	19	8 1	5	2								
Georgia	2	17	31, 64		_	1	1	1	6	2	3	i i	ī	ī								
Illinois	13	217	36, 52			2	10	8	27	49	47	33	27	9	3	2						
Indiana	12	336	31, 25	3	14	17	21	36	64	53	53	35	19	12	5	ã.						
Iowa	7	68	31.70			- ż	9	11	6	13	11	g	3	3	ĭi	•						
Kansas	2	6	23. 01		1	- ī l		î	ĭ	2	_ ^^		·	۰	_ 1							
Kentucky	3	12	23. 05		- 1	- 1	3	4	5													
Maryland	4	29	30. 22		1		ı	6	10	6		4		2								
Massachusetts	23	325	37. 18	1	1	i	1		43	58	99	41	34	16	7	5						î
Michigan	21	456	31. 25	2	6	26	47	18 49	62	90	75	49	27	17	5	1		1				•
Minnesota	3	25	29. 89	_	ĭ	-ĭ	^i	4	4	2		5	2	^,	l "i	-						
Missouri	3	28	30. 27			_ ^	î	4	ŝ	13	5	- 1	-									
New Hampshire	2	19	38. 75					2	i	4	3	3	4	2								
New Jersey	15	220	33, 21		5	5	6	16	$3\hat{5}$	57	43	38	14									
New York	17	312	33. 51		5	7 1	19	22	46	75	61	52	15	4	3	9			1			
Ohio.	25	247	33. 79	1	3	3	9	22	44	. 56	38	37	27	7	ا " ا							
Pennsylvania	26 26	214	28. 91		3	11	16	41	47	49	25	14	4	3	;-							
Rhode Island	7	101	36, 27		1	11	5	9	13	16	11	24	14	5	i	;-						
Mannager	6	101	17, 52			i	2	2	10	10	11	24	14	0	_ ^	1						
Tennessee	3	19	31.75		T	1	4	2	4		3	[-]										
Texas	11	288			2	10		19		7	50	1	1 44						;-			
Wisconsin			36. 30	2			6		42	51		41		6	8	3	3		1			
Total 3	220	3, 102	33, 32	9	45	90	167	296	495	647	555	398	247	93	34	19	3		2	1 1	- 1	
								200	100	041	000	080	271	90	9.4	13	v			- 1		

² Including data for 1 establishment for which details are not shown.

³ Including data for 3 establishments for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

FOUNDRIES—Continued

	Num	ber of—	A ver-						Numb	er of e	mploy	ees wh	ose ear	nings	per we	ek wer	-e-					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	\$85 and un- der \$90	and ove
Molders' helpers, floor, maie: Alabama	4	62	\$19. 33	3	4	3	20	25	6		1											
California	.] 11	53	26. 67		li	i	20	14	22	7	5	1				-						
Colorado	_ 3	59	20.92	1	2	2	29	7	10	5	3									1		
Connecticut	_ 12	82	25. 22		1	3	16	32	13	7	3	4	3									
Georgia	5 17	51	13. 11	2	11	20	16	1	1													
Illinois	-) 17	102	23. 96	3	7	8	12	30	19	9	3	5	6									
Indiana Iowa	10 7	103 24	20. 79 21. 85	9	3	7	8 7	48 13	21	6	1											
Kansas	1 8	46	18. 59		7	7	9	15	4 7	;-												-]
Kentucky	7	20	18. 02	2	, '	2	7	9	, ,	1	- -											
Louisiana	5	52	18. 24	-	i	16	17	11	4	3				'								
Maryland	4	21	20. 63		1 1	5	9	2	l i	4												
Massachusetts	_ 20	98	24. 71			ž	12	43	25	8	5	2	1									
Michigan	_ 12	108	28, 66		4	8	12 7	15	25 25	21	14	7	6	1								
Minnesota	_ 3	30	20.02			2	14	11	3			l	İ	·								
Missouri	_ 9	99	25.66	2	5	7	15	10	33	15	6	3	1		2			,		,		
New Jersey	_ 9	106	23.70	2		5	21	46	14	11	3	2	1	1								
New York	- 17	80	27. 17		1	2	18	16	13	12	9	8	1									
Ohio	_ 24	207	23.48	2	4	8	54	60	38	33	6	1	1									
Oregon Pennsylvania	- 5 24	16	25. 94		1		1	_5	5	2	1	1					-					
Rhode Island		224 10	23. 93 27. 27		1	9	58	55 3	63	33	3	1	1									
Tennessee	- 6	66	14. 15	1	2	37	23	3	4	3			1									
Texas	- 8	38	19. 20	1	ĺí	7	23 12	10	7	1												
Washington	5	22	25. 17	1	l i		12	4	ıí	3				¦								
Wisconsin		38	22. 65	î	li		7	18	1 18	ı	2											
			DE : 00																			
Total 2	_ 247	1,820	22. 91	29	58	161	395	509	357	185	66	35	21	2	2							
1.44			=											===				===			===	
attern makers, male:			***															i		[1
Alabama	_ 3	17	\$39.65		1				1	1		14		'								
California Colorado	- 11	33	42. 28			2		1	1		3	9	12	4	1							.
Connecticut	2 4	4 18	29. 33		1				1		1	<u>-</u> -	1									
Georgia	- 4	18	32. 17 33. 36				1 2	2 2	7 2	2 3	3	1	2									
	-1 4	10 1	33.30				2	2	2	3	2	1	1 2	, 1			J		l			

Minois	12	139	39. 01			l	1 2	1 2	7	13	48	52	11	1	4	ı	1					1
Indiana	10	89 17	47. 71					<u>.</u>	3	8	13	11	18	16	7	6	2	i	3	1		
Iowa	8	17	30. 22		1	1	2	2		2	6	3		-0			_	_	•	-		
Kansas	8	11	34. 45		1		1	1	1	2	2	ĭ		1				ī				
Louisiana	2	3	34. 93						i	ī	2			_				1				
Maine	3	14	29. 16					1	7	5	īi											
Maryland	7	20	30, 57	1	1	1	2	ī	2	2	6	2	1	1			i					
Massachusetts	22	154	35, 12			3		7	22	39	45	33	4	1	1		-					
Michigan	29	139	37. 21			ĭ	6	Ŕ	15	31	23	24	22	2	3			i	1			
Minnesota	-5	25	34, 60						4	11	10		1	_ ~	9	1	-		-			
Missouri	7	35	48. 90						1		2	2	8	21								
New Hampshire	2	8	31. 22			1	2		1	1	- 1	4		21		1						
New Jersey	13	137	44. 93				ĺ	6	8	12	26	26	14		15							
New York	20	115	41. 15				1 1	1	6	17	33	20	22	10	2	3	11					
Ohio	30	178	41. 16			1		3	11	22	25	52 52	47	6	8	3	1					
Oregon	30	1,0	35, 28					3	1 7	24	23	34	4/	0	•	2						
Pennsylvania	30	161	40, 69					2	10	21	43	55	14	2	8							
Rhode Island	3	11	34.83						10	3	#3 : 6	99	14	2	8	5	1				-	
Tennessee	ž	13	40.65						1	1 1	0	1		3								
Texas	4	13	31. 73						1	3	٥	1	2	3		-						
Weehington	2	2	39. 76		1					3		2										
Washington Wisconsin	10	132									. 5	1	1 .1									
W ISCONSIII	10	132	38. 19		1	1			10	29	41	33	11	3	2	-	1					·
Total 2	259	1, 512	39. 62	1	7	11	00	40	100	022	0.50	0.40	100									
1 Otal -	209	1, 312	39. 02	1	1	11	20	42	122	233	353	348	193	77	51	29	17	3	4	1		
		1		1		J	1	1	1				l .	<u> </u>		l	i	l	İ	<u> </u>	l	

MACHINE SHOPS

Assemblers, male:	į				į												1		1		1	
Alabama	2	22	\$2 9. 35			- 	1	6	6	4	3	2										1
California	14	146	37. 96			2	2	3	14	32	52	20	4	5	3	5	3	1		1	1	
Connecticut	18	324	33.66		2	5	3	34	70	78	73	28	17	11	Ĭ	l	"	2				7
Georgia	2	7	32.00		- !		1	ĩ	ĭ	ĭ	'2		- i			- -		_				1 1
Illinois	31	860	33. 34	5	3	7	25	73	151	218	255	73	32	11	4	9	1					-
Indiana	14	325	26, 78	3	ĭ	7	13	107	114	50	18	7	3	**	Î	ī	1		,			
Iowa	9	89	27. 12	ĭ	1	2	6	26	22	23	5	9				i						7
Kansas	3	40	17, 32	2	a l	2	11	9	2	-0	9	-									,	
Kentucky.	6	76	26, 03		3	5	îñ	12	17	23	4	1	1		~							
Louisiana	ž	19	23. 08					- 2	- 1	20	- 1	•	•				,					
Maine	3	$2\overline{2}$	02.50				1	7	8	3												-j
Maryland	5	41	29. 33		•	-	1	15	8	6		1						:				
Massachusetts.	ă	241	28. 54		2	10	15	50	65	60	21	0	7	2					i			
Michigan	24	504	30. 35		2	10	24	67	138	140	94	22	,	2								
Minnesota	24	68	28. 23	4	3	9	24	14	19	19	94	22	О	0								
Missouri	15	134	28, 32		- 4	9	1	30	19	37	24	3								i		
New Hampshire	10	16	28. 83	- 1	1	3	•	30	29	37	24	1 1									j	-
New Jersey.	26	480						20	00	110		40	=:-									
New York	20 22	976	35. 23	1	3 9	10		29	98	116	108	49	35	16	8	8	2					-
	72		33. 29	2		10	24	64	183	335	204	83	32	12	6	4	5	2	1 1]		
Ohio	72	1,718	30. 13	5	16	24	81	179	552	482	270	61	29	9]	4	5] 1			1		

Including data for I establishment for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numi	per of—	Aver-						Numb	er of e	mploy	ees wh	ose ear	nings	per we	ek wer	e—					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 an d under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	\$85 and un- der \$90	\$90 and over
Assemblers, male—Continued. Oregon. Pennsylvania Rhode Island. Tennessee. Texas Washington.	5 42 10 2 5 4	30 1, 187 143 30 67 34	\$31. 74 31. 25 27. 76 24. 14 26. 83 37. 44	1	1 11	13 2 3 1	72 6 4 4	3 217 31 9 15	6 286 70 4 37 2	14 240 24 9 3 7	2 135 4	113 1 1 6	39 4	34 1	16	2	8					
Wisconsin	368	8, 019	31. 62	24	71	117	17	50	102 2, 013	115	69 1, 379	45 533	230	112	43	$-\frac{2}{30}$	21	6	1 2			
	308	8,019	31. 20			117	330	1, 034	2, 013	2,047	1,379	200	230	112	4.3	30	Z1			===		==-
Fitters and bench hands, male: Alabama. California. Connecticut. Georgia	11 2	12 197 277 19	31. 92 38. 38 32. 61 13. 09		1 6	1 1 11	1 1 9	1 15 20	4 17 63	1 36 86	2 69 60	3 22 26	9 6	5 2	6 2	8	7	1 1				
Illinois Indiana Iowa	10	562 131 38	34. 26 30. 32 22. 21	1 1	i	1 3	14 5 5	35 11 18	101 36 9	144 47 2	138 24	80 4	29 2	8 	2		1					
Kansas Kentucky Maine	5 2	12 29 63	27. 40 25. 69 21. 36		1	3 4	1 4 17	3 6 25	5 8 14	1 5 2	2	1										
Massachusetts Michigan Minnesota	35 25 5	1, 100 489 12	31. 80 31. 44 32. 83	2 5	8	9	25 20	75 54 1	333 83 6	332 132 2	188 107 1	82 48	25 17 2	14 2	5	3	1					
Missouri New Hampshire	10 5	64 72	27. 41 37. 01		1	1 2 5	5 1	18 3	20 6	11 5	28 28	1 20	3 6		<u>i</u> -							
New Jersey New York Ohio	20 62	378 922 856	30. 21 34. 64 30. 63	4	4 2 9	5 9 7	14 15 36	55 46 126	114 164 213	74 315 250	73 179 141	21 106 38	3 37 23	27 10	13 2	1 4 1	1 2	1 2	1			
Oregon Pennsylvania Rhode Island	6	8 952 114	25. 08 30. 75 27. 78	1	3	13 1	55 7	162 15	189 57	2 249 24	1 174 6	$\begin{array}{c} 1\\72\\2\end{array}$	22 1	<u>-</u> 11	2							
Tennessee Texas Washington	3 2 3	20 6 31	22. 81 25. 75 35. 01	1	1	1	2 1 1	6 1	8 3	1 1 7	1 22											

<u> </u>																						
Wisconsin	13	293	31. 58		2	3	10	32	71	93	42	30	5	2	2			<i>-</i>	1			
Total 2	332	6, 661	31.85	15	47	93	252	728	1, 527	1, 824	1, 265	557	190	85	39	19	12	5	2	1		
Boring-mill hands and operators, male:											-				-							==
AlabamaCalifornia	2 15	14 63	37. 45 40. 33					1	2 1	1 15	5 18	3 18	1 3	4	<u>-</u> -	$\frac{1}{2}$		- -	- -			
Connecticut Georgia	16 4	109 7	39. 56 25, 24	1		1	$\frac{2}{2}$	5 2	10	25	19 1	17	10	5	4	4	3	3				
Illinois Indiana	30 9	253 30	37, 46 30, 96	1	4	3	î 1	15 4	18	45 9	85 10	29	32	10	4	4	2			į- -		
Iowa Kansas	3	19 6	32. 17 22. 46				2	3 2	5 2	5	3	2	1									
Kentucky Louisiana	4 3	8	30. 15				$\frac{2}{2}$	3	1	2												
Maine	3	10	36. 64 26. 55			2			1 5	1	3 1	1 1								(
Maryland Massachusetts	3 27	110	36. 61 34. 27		2	1		2	19	45	22	12	$\frac{1}{7}$	1 2		 						
Michigan Minnesota	15 3	84 15	32. 60 33. 49		2		2	$\frac{4}{2}$	33 3	17 6	7	11 3	6			1	1					
Missouri New Hampshire	11 4	52 6	34. 20 30. 62			1	2	4	$\frac{10}{2}$	$\frac{6}{2}$	12 1	15	2			! !						
New York	25 21	119 208	36. 36 34. 03	1	4	4 5	1 9	3 14	18 16	34 58	24 66	12 12	10 9	10 4	1 7	3		2				
Ohio Oregon	74 4	514 12	35. 89 34. 33	2	2	5	13 1	33	62	120	140 2	70 1	31	15	8	2	6	4	1			
Pennsylvania Rhode Island	42	334 33	35. 26 31. 96			2	7 1	24 4	58 16	69 5	86	54 5	14	11	7	Ž	2					
Tennessee	9 2 5	8	29, 69 26, 85			1	î	Î	2	3	1											
Washington Wisconsin	3	15 163	37. 44 38. 26	1	<u>i</u>		3	5	29	1 35	13 29	1 14	21	12	5	4	1	3				
Total.	354	2, 208	35. 71	6	15	25	50	133	323	513	548	281	150	74	38		ļ	12	1			
Drill-press hands and operators.	204	2, 203	=				===	199	323	919		401	130			29	15	12				
male: Alabama	2	26	20. 63		,		10				1											
California	18	115	30.94		1	1	13	8 20	1 36	1 27	18 27	8	3	1	• • • • • • • • • • • • • • • • • • •				- 	-		
Connecticut Georgia	17 3	155 12	30. 34 17. 27	1	2	3	5	26 2	41	45		4	2	2		1						
Illinois Indiana	34 14	733 168	31. 92 26. 65	3	10 5	15 6	24 11	73 44	132 53	199 25	174 14	76 9	19	8 1						-		
Iowa Kansas	7 6	78 15	26, 92 22, 97		1	4 2	5	17 7	23 6	20	8						 		-			
Kentucky Louisiana	6 7 2 2	21 5	19. 85 19. 95	 	2	5 3	4 1	4	4	2		₁ -										
Maine Maryland	5	22 51	24. 32 25. 16			<u>1</u>	6 2	6 29	6 15	3	1 1	1	<u>1</u> -									
Massachusetts 2 Including data for 1 establishm	37	349 k which de	30, 03 .	not ch		4	14	63	103	92	46	18	5	1	1	1		1.			 -	

² Including data for 1 establishment for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of—	Aver-						Numb	er of e	mploy	ees wh	ose ear	nings	per we	ek wer	e					
Occupation, sex, and State	Estab- lish- ments	Em- ployces	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60			\$70 and under \$75	\$75 and un- der \$80	un- der	\$85 and un- der \$90	an
rill-press hands and operators, male—Continued. Michigan Minnesota. Missouri	5 17	327 35 89	\$27, 29 32, 43 23, 81	8 2	12	11	24 1 15	94 7 25	57 4 20	43 9 16	46 8 4	24 5	3	2	2	1						
New Hampshire New Jersey New York Ohio Oregon	7 28 23 79 6 43	22 205 413 755 18 682	32. 68 31. 69 29. 85 27. 71 26. 73 27. 13	1 3 1	2 3 8 1 7	1 1 5 20 1 34	6 19 76	33 48 145 5 146	57 139 209 6 198	6 40 125 194 3 124	6 36 47 69	$\begin{bmatrix} 3\\20\\10\\25\\25\\31 \end{bmatrix}$	5 3 7	2 4 1	3	4						
Pennsylvania Rhode Island Tennessee Texas Washington	12 4 6 5	109 26 29 24 275	27. 13 25. 73 21. 05 23. 49 30. 46 29. 86	1	1 1 1 2	5 3 1 1 3	12 5 4 1 1	32 10 7 1 50	13 30 4 13 6 90	23 3 8 57	70 3 2 7 34	3	7		2							
Wisconsin Total	433	4, 759	28. 71	24	62	136	328		1, 261		622	252	60	28	10	7	- <u>-</u>	1				
rinding-machine hands and oper- ators, male: California. Connecticut. Georgia Illinois.	10 15 2 24	47 122 5 412	34. 87 30. 97 21. 93 35. 77	2	$\begin{vmatrix} 1 & 1 \\ 2 & 2 \\ \hline & 4 \end{vmatrix}$	1 3	2 1 2 8	2 22 1 22	9 32 50	11 33 	9 19 1 106	5 10 78	4 1	4 1	1	4						
Indiana Iowa Kansas Kentucky Maine	11 5 2 3 2	93 38 3 4 8	32. 51 28. 50 36. 14 19. 34 28. 07		1		3 2 2	12 9 1	21 13	20 8 1 1	13 5	8	7 1	3	1							
Maryland Massachusetts Michigan Minnesota Missouri	2 34 21 2 10	17 185 173 14 27	34. 66 31. 82 30. 50 33. 03 26. 21		1	2 4	5 19	1 24 25 1 7	2 46 34 3 8	2 53 34 5 4	10 35 32 4 3	11 19 1	3	3 1	2 1		1					

New Jersey New York Ohio Ohio Pennsylvania Rhode Island Washington Wisconsin	15 15 61 31 9 2 14	84 185 390 217 129 8 98	29. 82 33. 88 29. 54 32. 22 29. 94 37. 51 32. 90	1	3 1	3 (11 1	8 2 2 25 7 6 2 2	12 15 75 27 21	25 40 92 50 26	14 64 96 51 55 3 22	14 30 59 43 19 4 22	4 24 18 24 2 1 7	2 2 5 9	2 2 2	1 1 2 1	3 2	1			
Total 4	298	2, 285	31, 99	3	16	32	99	294	482	580	431	216	66	32	17	12	4	 1	 إا	-
Laborers, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	6 21 16 8 32 15 9 5 5 4 4 6 36 32 5 16 8 8 9 23 8 9 23 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	53 194 202 71 1,009 319 75 26 25 40 33 58 8441 672 103 373 373 158 43 158 41 1,182 121 81 167 73 88 157 88 167 17 87 18 18 18 18 18 18 18 18 18 18 18 18 18	14. 39 23. 90 23. 84 11. 33 24. 20 22. 58 21. 72 17. 60 15. 38 21. 72 20. 63 22. 31 23. 83 19. 35 23. 70 22. 16 22. 21. 67 22. 16 67 22. 16 67 29. 16 29. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20. 16 20	3 7 2 7 2 1 1 1 1 6 5 6 10 5 11 2 6 4 5 5	200 9 6 1 1 1 8 8 8 8 16 6 6 6 6 14 1 25 5 6 6 1 6	13 3 8 8 8 25 20 1 1 1 1 3 3 3 3 7 7 7 1 21 63 1 96 40 22 22 15 15 16 17 18 18 18 18 18 18 18 18 18 18	29 13 27 8 141 60 21 13 14 6 20 25 158 79 30 6 4 4 5 292 40 95 6 45	1 79 85 398 154 377 4 11 255 465 513 11 471 54 4 21 20 169	1 65 62 306 41 9 1 1 5 17 9 12 15 271 15 17 66 44 73	16 12 73 16 5 1 1 38 48 1 3 3 29 34 48 61 4	5 3 35 11 1 10 24 1 13 20 9	3 10 5 3 5 7 3 3 3	1 1 5 3 2 2 2 2 1 1	2		1				
Total	459	8, 342	22, 16	100	174	476	1.766	3, 525		418	153	45	16	3				 	 	
Lathe hands and operators, engine, male: Alabama California Connecticut Georgia Illinois Indiana Iowa Kansas	2 16 19 4 33 10 7	22 219 232 17 865 183 48 40	33. 12 38. 54 33. 73 30. 35 36. 89 30. 93 31. 54 33. 17	2 1	1 1 1 3 4	1 2 6 1	1 1 1 2 10 8 1	2 4 29 3 42 20 6 4	2 6 49 3 78 45 11 9	2 46 55 3 167 53 13	9 95 43 4 251 29 12 3	5 28 21 2 224 10 4	11 19 53 6 1	11 4 18 4	6 4 5 1	4 2	2 1	 1	1	

⁴ Including data for 5 establishments for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numb	er of—	Aver-						Numb	er of er	nploy	es wh	ose ear	nings j	er we	ek wer	e					
Occupation, sex, and State	Estab- lish ments	Em- ployees	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	\$85 and un- der \$90	\$90 and over
Lathe hands and operators, engine, male—Continued. Kentucky Louisiana Maine Maryland Massachusetts Michigan Minnesota Missouri New Hampshire	3 3 4 36 21 5 16 6	46 19 56 31 648 278 53 159	\$26, 55 32, 83 26, 59 25, 24 30, 05 30, 75 30, 86 31, 82 31, 61	1 4	1 1 3 4 1 4	1 2 6 3	3 2 1 2 27 9	10 4 11 18 76 33 9 19	15 3 28 3 207 63 15 28 13	12 1 14 1 209 83 15 29 23	3 4 3 80 51 7 56 10	1 25 22 5 13	3 9 3 1 1	2 1 3 2	1	1						
New Jersey New York Ohio Oregen Pennsylvania Rhode Island Tennessee Texas Washington	22 80 5 44 11 3 6	252 438 1, 014 26 727 125 40 66 40	33. 85 35. 27 33. 27 33. 33 33. 13 28. 33 28. 94 32. 08 34. 46	3 2 2	4 3 7 1 2	3 5 13 13 2	5 15 44 1 34 3 2	13 22 110 69 26 9 6	35 46 163 1 123 45 10 18 4	73 169 293 13 163 40 15 9	69 85 192 6 180 7 4 30 25	26 29 81 3 86	10 22 52 33 1	9 11 28 1 15	13 14 6	10 5	6 8	1	1	1		
Wisconsin	14	266	35. 50	i		1	7	20	38	67	59	34	2 5	7	5	1	1					
Total	414	5, 964	33, 33	21	45	64	188	567	1, 061	1, 587	1, 317	631	254	117	56	27	19	6	2	1	1	
Lathe hands and operators, turret, male: California Connecticut Georgia Illinois Indiana Iowa Kansas	16 3 23 6 5	96 91 6 432 80 38	36. 39 34. 80 22. 54 34. 28 27. 95 30. 28 36. 92		3 1	2 1 1 2	2 15 10 1	4 7 1 47 17 5	10 14 1 63 16 14	23 18 92 22 8	33 31 97 6 10 2	15 13 1 69 4	33 2	3 2 8	2	2	1					
Kansas Kentucky Louisiana Maine	6	42 2 16	17. 50 29. 55 25. 90		6	10	12 2	10 1 5	2	2 1 3												

Maryland	1	11 (29. 17	1 1			1 1	2	2	3	1 1			11		1 1	1	1				ŗ
Massachusetts	30	254	31.85		1	4	4	26	68	75	51	14	9			î	1					
Michigan	25	383	31.45	3	7	8	21	46	89	70	49	72	11.	4	3	-	-					
Minnesota	3	9	28. 12					4	2	ì	2				•							
Missouri	11	40	26.17	1		1	2	17	7	4	7	1										
New Hampshire	7	23	33, 35				:	5	8	l ī	4	- 1	2	2	1							
New Jersey	25	134	33, 07		1	2	3	12	27	41	29	6	5	5	2	1						
New York	20	230	31, 60	1	- 1	1	17	41	41	59	38	15	5	3	5	2	2					
Ohio	60	448	30, 50	ī	5	12	30		102	122	82	21	12	i	4	2						
Oregon	3	9	30, 78		"	1		, ,,	1	6	2		- 12		-							
Pennsylvania	40	569	30.49		4	5	22	98	147	131	117	35	5	3	2							
Rhode Island	11	33	27. 96		1	•	2	9	12	6	3	1		"								
Tennessee	3	10	26, 95				2	ĭ	13	4												
Texas	6	41	30. 17		1		ī	7	9	10	11	ī										
Washington	4	21	34, 54		1		1	i '	2	i	15	$\hat{2}$	7									
Wisconsin	11	137	32, 76	i	i	5	6	14	24	28	31	15	8	1	3							
								14	- 24	20	31	19		1	o			'				
Total 2	343	3, 167	31. 51	8	31	56	154	433	670	732	624	287	103	33	22	10	4					
		-,151					104	400	0,0		024	201	100	33		10	4					
Machinists, male:	1				i																	
Alabama	5	45	36, 66	1	1			1	2	11	13	13	1	1		1		i			,	
California	24	239	37, 26	}	i	2	6	4	8	44	112	35	14	6	5	Ī	i			,		
Connecticut	13	198	39. 75	1	i	ĩ	3	9	22	48	42	90	11	9	8	11	3			2		
Georgia	8	67	31, 73	ì	1 1	1		6	15	23	16	22 2	2	1		11	3	4		2.		. 1
Illinois	28	356	38. 38			3	3	4	27	81	98	73	38	20	7	2						
Indiana	28 12	147	30. 95	3	1	2	3	19	30	47	23	ii	7	20	•	2					;	
Iowa	8	40	32, 04	,	- 1	2	î	2	13	10	10	4	•	1			[
Kansas	5	28	35. 83		1		1	í	2		13	6	1								!	
Kentucky	. 5	24	29. 73		1 -		3	3	3	2 8	7	0	1		1							
Louisiana	5	58	34, 50	1	3	4	2	٥	4	3	25			;-				:-!				
Maine	4	41	30. 14		ı i	**			14	15		9	2	1	3			1				
Maryland	7	186	32. 27	1	in	1		12	31	92	5 34	2 4										
Massachusetts	27	410	31, 25	6	11	6	1 6		85	159			3	4	2	:-			:-			
Michigan	25	234	36, 63	1 1	3	1	2	26	00	46	68	26	. 8	2	3	1		1	2			
Minnesota	6	27	31, 47	1	3	1	1	10	29	12	56	56	15	8	4	3						
Missouri	13	123	34. 78	[1	2	6		6	27-										
New Hampshire	8	117	35. 73		3 .	;-		7	22	25	34	24	4	1	2			!				
New Jersey	31	185	33. 18	2	5	8	1		11 17	51 39	27	17	. 9	;-				<u>-</u>				
New York	19	150	36. 78	2	0		8	10			65	14	11	4		1 1			1			
Ohio	56	278	32. 30	<u>1</u>		1	1	1	11	40	71	16	4	1	2	1	1					
Oregon	6	278	37. 64	1	3	3	4	12	69	101	56	18	7	1	2	1						
Donneylvania	31	296	36, 35				1	::-		6	11	7	1	1						'		
Pennsylvania Rhode Island	13	296 168				2	6	15	30	90	79	33	16	6	11	2	4	1	1 ;		'	
Tennessee			28. 15		2	3	5	27	72	44	11	$\frac{2}{15}$	1	1								
Toyos	8 9	79	35. 10	1		2	1	3	6	14	33	15	3	1								
Texas		73	35. 17		3	3	2	3	10	6	29	9	4	1	1		1		- -			1
Washington Wisconsin	7	61	32. 97			3	1	2	4	27	18	3	3									
W ISCOUSIII	12	137	39. 49			1		6	7	19	49	24	11	11	6		2	1				
Total	205	2.704	24.00	10		10		100		1 000												
1 0041	395	3, 794	34. 68	18	40	48	63	189	551	1,063	1,011	445	176	81	57	24	12	8	4	2		2
					=======================================			===					====									
2 Including data for 1 actablishm																						

² Including data for 1 establishment for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Num	er of—	Aver-						Numb	er of er	nploye	es wh	ose ear	nings	per wee	ek wer	e—					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age actual earn- ings in 1 week	Un- der \$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	\$85 and un- der \$90	\$90 and over
Machinists' and toolmakers' help- ers, male: Alabama California	3 20	14 94	\$16. 51 28. 15	1		3 1	10 5	22	38	19	6	1	1	<u>-</u> -								
Connecticut Georgia	9	162 7	28. 77 13. 22	1		5 3	12	62	21	20	16	13	7	3		1	1					
Illinois Indiana	17	146 22	26. 71 22. 60	<u>i</u> -	i	$\frac{1}{2}$	13	28 6 7 22	44 7	38 4 _	13	2										
Iowa Kansas	5 8 2 2	11 56	20. 68 22. 67			3	16 16		7	4	<u>î</u>	2									¹	
Kentucky Louisiana Maine	2 3	4 24 9	16. 28 17. 45 21. 47	3	1 2		10 3	1 6 5	1	2												i
Maryland Massachusetts	6 12 11	53 22 77 1 57 1 28 3 73	21. 46 24. 86 23. 94		2		13 3 8 13 8 7	29 33 23	8 37 8	1 2 10			1									
Michigan Missouri New Jersey	11 23		23. 94 21. 46 26. 82 25. 60 24. 68 26. 55	1	2			10 13	32	1 11	3	1	5									
New York Ohio Oregon	21 34 5	96 209 14			1			26 83 3	49 71 4	9 17 6	8	1 2	1									
Pennsylvania Rhode Island	26 9	159 71	25. 15 21. 82	1	2	3 2	12 10	70 50	40 8	20	8	3		1								
T'ennessee Texas Washington	4 8 5	15 41 18	15. 47 20. 28 27. 52	2	2 2 1	6	11	3 20 2	3 10	1 5	1											
Wisconsin	13	205	25. 81	2	3	8	22	73	54	17	16	5	5									
Total 1	269	1,671	24. 96	14	27	55	208	598	447	188	76	30	21	5		1	1					
Milling-machine hands and opera- tors, male: Alabama California Connecticut. Hlinois	2 13 16 25	6 57 147 375	35. 13 38. 75 31. 73 36. 87	1	<u>2</u>	1 1	4 6	1 24 20	1 4 32 43	2 12 35 72	2 22 33 95	1 9 11 79	2 4 37	4 2 11	2 1 3	1 3		2				

Indiana	13 3 5 2 3 3 33 22 3 10	71 23 12 2 18 13 343 124 13 22	31. 20 29. 61 26. 23 30. 55 26. 77 30. 21 30. 79 31. 59 32. 30 30. 84		2 . 2	1	1 2 3 14 5	15 7 2 1 3 3 3 3 15 1 4	19 2 2 2 35 4 102 36 4 7	12 7 3 6 4 121 26 1 3	15 6 2 1 1 1 57 21 2 7	9 10 4 1	1 3 7	5 2						 	
New Hampshire New Jersey New York	7 21 19	36 78 401	35. 60 34. 68		<u>1</u>	10	1 2 13	$\begin{array}{c}2\\2\\12\end{array}$	7 14 52	8 22 139	8 16 102	$^{9}_{16}_{27}$	2 12	3 8	1 11	7	3	 1		 	
Ohio Pennsylvania Rhode Island	70 39 9	536 360 91	31. 26 31. 55 28. 00	1 2 1	3 2	16 15	27 13 3	60 39 16	122 70 36	145 79 25	88 94 10	50 29	15 12	6 4	1	1	2			 	
Tennessee_ Texas_ Washington	2 2 3	8 4 10	28. 39 26. 29 37. 29					1	5 2	2 1 3	 5	<u>-</u> -								 	
Wisconsin Total 3	343	2, 872	34. 70	5	19	48	104	269	583	756	605	277	115	3 48	22	12		3		 	
Pattern makers, male: California. Connecticut.	11 12	44 96					<u>1</u>	2	9	1 15	7 15	15 26	15 11	6 10	<u>1</u>	6				 	
Georgia Illinois Indiana Kentucky	3 25 7 3	9 149 17 4	43.64					3 1	1 5 3	14 4 1	3 27 5 2	3 49 1	$\frac{2}{20}$	2	29					 	
Louisiana Maryland Massachusetts	3 3 16	5 6 57	44. 22 38. 41 37, 22			1	1	4	1 1	9	1 1 17	2 4 17	1 3	1						 	
Michigan Missouri New Hampshire	7 7 5	11 15 7	41.81 38.74 36.60			 		1	1 1	$\begin{bmatrix} 1 \\ 3 \\ 2 \end{bmatrix}$	2 1 1	$\begin{array}{c}2\\9\\3\end{array}$	4 1			1				 	
New Jersey New York Ohio Oregon	17 11 43 3	77 140 191	44. 46 47. 36 40. 16 44. 29	1			1	4 11	$\frac{1}{2}$	8 4 21	22 20 39	11 33 65	19 29 32	16 8	3 16 4	3 8	3 6 1	3 2	1	 	
Pennsylvania Rhode Island Tennessee.	29 10 3	204 57	39. 41 38. 89 37. 06			3	1 1	3	19 4 3	25 10	1 49 15 2	3 66 17	3 21 4	10 3 2	5 3	1	1			 	
Texas Washington Wisconsin	4 4 8	11 17 95	42. 23 44. 12				2	2	2 7	1 1 11	3 1 42	2 6 21	9	1 5	1 1				1	 	
Total ²	235	1, 228	41, 29	1		4	8	31	70	132	276	355	181	70	63	19	11	5	2		

Including data for 2 establishments for which details are not shown.
 Including data for 1 establishment for which details are not shown.
 Including data for 3 establishments for which details are not shown.

Table E.—Average and classified actual earnings in one week of employees in 23 specified occupations, 1927, by sex and State—Continued

MACHINE SHOPS—Continued

	Numl	per of—	A ver-						Numbe	er of en	nploye	es who	se earr	ings p	er wee	k were	_					
Occupation, sex, and State	Estab- lish- ments	Em- ployees	age actual earn- ings in 1 week	Un- der 4\$5	\$5 and under \$10	\$10 and under \$15	\$15 and under \$20	\$20 and under \$25	\$25 and under \$30	\$30 and under \$35	\$35 and under \$40	\$40 and under \$45	\$45 and under \$50	\$50 and under \$55	\$55 and under \$60	\$60 and under \$65	\$65 and under \$70	\$70 and under \$75	\$75 and un- der \$80	\$80 and un- der \$85	\$85 and un- der \$90	\$90 and over
Planer hands and operators, male: Alabama. California Connecticut. Georgia Illinois. Indiana Iowa Kansas Kenuucky.	14 17 2 23 9 4 6 4	6 41 148 10 135 34 6 6	\$37. 62 36. 60 38. 57 16. 59 40. 44 30. 69 37. 14 28. 53 29. 30	1 2	1 1	1 2	2 1 1 3 2	13 3 6 2	2 16 1 11 8	12 39 17 11 2 2 4	1 13 27 1 26 7 2	3 7 22 27 2 2	4 12 26	1 1 2 6	4	5	4		3			
Maine Maryland Massachusetts Michigan Minnesota Missouri	3 2 31 12 5 10	12 8 177 46 9 48	25. 78 27. 33 34. 01 32. 79 31. 21 34. 02		2	2	1 1 2 2 2	2 3 9 1	5 47 11 5 7	2 3 50 15 3 5	38 7 	1 18 7 1 7	3	4	1	2		1				1
New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee	23 21 68 3	12 71 174 462 4 254 36 6	26. 88 37. 40 37. 40 36. 42 34. 56 38. 44 29. 42 30. 13	2	1	2 6 3 1	1 1 7 6 3	35 	2 8 14 66 23 10	6 14 62 111 2 47 7	1 23 37 99 2 53 9	11 19 52 35	6 13 41 	5 3 22 21	1 7 10 4	5 4	2 5	3	1	1		
Texas Washington Wisconsin	3 4 11	3 7 87	31.15 36.90 35.04				4	7	16	3 1 23	5 13	13	6		2	3						
Total 2 Screw-machine hands and operators, male:	339	1,818	36. 20	5	. 7	= 20	41	117	260	443	395	228	150	65	33	26	13	5	4			
Alabama California Connecticut Illinois	2 3 9 18	4 7 69 116	32, 43 31, 30 30, 82 33, 96	1 1	1	1	1 3 4	2 7 13	1 15 19	1 24 24	2 3 17 28	1 2 13	6	3		1			 1	1		

Indiana Iowa Kentucky Maine Massachusetts Michigan Missouri New Hampshire New Jersey New York Ohio Pennsylvania Rhode Island Wisconsin	2 3 2 26 15 4 2 12 14 49 21 11	11 6 8 4 115 68 7 7 30 170 432 287 62 104	28. 10 29. 31 17. 87 28. 10 32. 16 35. 05 24. 85 35. 35 31. 99 32. 04 31. 77 27. 98 24. 68 30. 33	1 2	3 5	1 3 3 3 3 3 3 3 3 3	1 1 3 1 1 2 20 19 12 5	1 1 2 7 2 7 54 72 13 14	3 333 13 3 2 8 42 97 99 24 33	4 1 1 1 36 11 1 1 8 67 107 40 9 21	18 10 3 5 34 70 37 2 15	13 22 3 5 47 7	2 2 2 1 2 6 19 5	1 6 2 1	1 1 1	1					
Total 3	213	1, 520	30.89	6	10	21	75	208	399	359	250	121	49	13	3	3	1		1	1	
Toolmakers, maie: Alabama. California. Connecticut. Georgia. Illinois. Indiana. lowa. Kansas. Kentucky. Maine. Maryland.	2 15 18 4 24 13 3 2 6 4 4	8 56 115 6 300 77 11 2 12 16 42	42. 69 41. 34 35. 83 38. 46 40. 62 36. 06 34. 30 36. 13 31. 32 27. 68 32. 89	1	2	2	2 4 1	2 1 1	12 8 9 2 3 10 4	8 29 39 17 6	2 15 38 5 91 35 1	5 15 19 1 85 8 1	10 3 53 4 1	5 3 5 1	1 2 4	6	3 1		2		
Massachusetts Michigan Minnesota Missouri New Hampshire New Jersey New York Ohio Oregon Pennsylvania Rhode Island Tennessee Texas Washington Wisconsin	35 24 3 12 5 17 20 64 2 38 11 3 6 4	283 202 11 27 20 85 407 607 109 9 9 13 6 159	34. 50 39. 84 31. 40 36. 03 41. 15 37. 34 39. 24 34. 55 39. 72 35. 27 34. 07 34. 13 33. 03 39. 13 35. 33	1	6	5	2 2 1 14 8 1	13 1 1 	34 111 2 2 2 18 126 1 23 21 	108 42 5 10 3 26 69 161 71 31 3 4 4	76 44 3 4 5 5 5 5 149 125 102 23 5 5 4 3 48	29 52 9 7 19 109 79 1 41 19	10 32 1 4 5 36 48 1 14 2	6 8 4 9 10 3 3	3 1 1 3 3 3	1 5 	3 2	1	1	1	
Total 2	354	2, 863	36. 63	2	12	14	40	75	311	712	817	529	229	62	21	23	11	1	3	1	

Including data for 1 establishment for which details are not shown.

^{*} Including data for 3 establishments for which details are not shown.

APPENDIX

DESCRIPTION OF FOUNDRY AND MACHINE SHOP **OCCUPATIONS**

FOUNDRY

Chippers and rough grinders cut or chip projecting points from the castings, using hammer and cold chisel or pneumatic chisel, or a rough-grinding machine.

Core makers make cores of sand and a liquid binder and possibly other substances, using a mold or core box to shape the cores. Cores are used in molds to make hollows in castings.

Crane operators operate power cranes used in moving molds, castings, ladles,

etc., about the foundry.

Cupola tenders attend the cupola in which pig iron, scrap, or steel is melted,

tap or open the cupola, and run the melted metal into ladles.

Laborers are common unskilled workers who carry cores, fill and empty ovens, attend fires, cut core wire, etc., in core-making room; assist the craneman; assist the cupola tender as stockers, chargers, firemen, and cleaners; assist the molder in handling sand and flasks; move castings; knock off sprues or gates from castings; clean castings by tumbling, or pickling; and do any other common unskilled work.

Molders make the molds for castings and pour melted metal from ladles into the molds. The molds are hollow impressions made in sand or loam by packing such sand around patterns and cores. The molder then removes the pattern and the sand retains its hollow shape without the support of the pattern. The molds are made in boxes or flasks. Cores are placed in the molds by the molders when hollow castings are to be made. Figures are shown in this report for three classes of molders, namely:

Molders, hand, bench, work by hand making small-sized molds.

Molders, hand, floor, work by hand on the floor of the foundry making larger-sized molds.

Molders, machine, use machines in making molds.

Molders' helpers, floor, help the floor molders in making molds.

Pattern makers make the patterns which are models constructed of wood or metal.

Rough carpenters make flasks for molds and do general rough repair work, or assist pattern makers.

Sand blasters use a sand-blast apparatus to clean the sand and scale from the

surface of castings.

Other employees include all other skilled or semiskilled workers not properly included in any occupation above.

MACHINE SHOP

Assemblers assemble or bring together the various small parts, pieces, or units of which a machine or engine consists and fasten them together with nuts, bolts, and screws, thereby forming larger units or a complete final unit. The distinction between assemblers and fitters is that the assemblers do little or no filing, scraping, or other fitting.

Blacksmiths are skilled workers who shape light or medium-sized forgings and

do general anvil work, using forge, anvil, and hammer.

Blacksmiths' helpers are persons of some degree of skill who assist blacksmiths

and tool dressers in their work.

Machine hands and operators.—The word "machine" here technically means machine tool, which is any power-driven machine used in metal working. Hands and operators as used in connection with a machine are persons (a) who set up and operate that one particular machine, or (b) who operate that machine but do not set it up. There are so many degrees of proficiency between these two classes and they are so difficult of satisfactory separation that they are combined as machine hands and operators. These employees generally are not

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machinists as they do not do the many kinds of work that can be done by a machinist. As a rule they are trained in the use of only one machine. An employee who worked on two or more machines during the pay period was classed as a machinist, provided he was an all-round machinist; otherwise he was classed as a machine hand and operator on the machine on which he worked the greater time.

Separate figures are given for machine hands and operators on certain of the more commonly used machines, namely, boring mill, drill press, grinding, lathe, milling, planer, screw buffer, and polisher; also a group of sheet-metal workers who operate punch presses, shears, and bending, flanging, and rolling machines. The machine hands and operators on less frequently used machines, as gear cutter, shaper, broacher, hobber, slotter, threader, automatic and special lathes, etc., are put in one group designated as "other precision machine hands and operators.

Crane operators. (See under Foundry.)

Fitters and bench hands.—Fitters do necessary chipping, filing, scraping, and reaming of machine parts to make correct mechanical adjustments in connection with fitting such parts together. Bench hands do similar work on parts to make them of proper shape and measurement but do not put the parts together.

Laborers truck or carry material about the shop or yard; give unskilled assistance to other employees; load and unload furnaces; do sand blasting; load and unload cars; sweep; rub machines; and do any other common unskilled work.

Machinists are persons who (a) repair or adjust one or more kinds of machines used in a machine shop; (b) set one or more kinds of automatic or semiautomatic machines without operating them; (c) set up and operate at least most of the kinds of machines usually found in machine shops. Each of these three groups may also do bench work or fitting. A man may have been qualified as an allround machinist, but if he was actually employed as a machine hand during the pay period taken he is so classified in this study. In highly specialized shops few employees were found who could be properly classed as machinists. A man who both set up and operated only one machine or a man who operated one or even several machines but did not also set them up was classed as a machine hand and operator.

Machinists' and toolmakers' helpers are persons of some degree of skill who

assist machinists and toolmakers in their work.

Packers and craters prepare and pack articles for shipment.

(See under Foundry.) Pattern makers.

Toolmakers are skilled men who make and repair tools, jigs, dies, and gauges. Other skilled occupations.—This group includes all skilled workers not covered in other occupations. They are all put in this one class because no one occupation includes a sufficient number to warrant a separate tabulation. Some of the more important occupations in this group are in the forge shop and in the heat-treating department, as follows:

Hammersmiths set up dies and operate drop, steam, or Bradley hammers in the making of forgings, assisted by helpers who operate the furnace or forge and

assist on the operation of the hammer.

Straighteners straighten castings or forgings by machine or by hand with a

Switchboard operators watch the temperature of the various furnaces in the heat-treating department as recorded by the switchboard and signal the furnace tender when temperature is too high or too low.

Furnace tenders regulate the temperature, open and close the furnace and supervise the loading of the furnace by laborers (furnace tenders' helpers and packers) with parts to be treated. In plants having no switchboard operator the furnace tender watches the switchboard.

Annealers, hardeners, and case hardeners operate small furnaces used in

annealing or hardening small parts.

Also included in this group are inspectors of stock or of work, layers-out, markers, millwrights, pattern makers for machine work, sheet-metal workers, welders, and other skilled workers not elsewhere provided for.

Other employees include such semiskilled persons as are not provided for elsewhere.

LIST OF BULLETINS OF THE BUREAU OF LABOR STATISTICS

The following is a list of all bulletins of the Bureau of Labor Statistics published since July, 1912, except that in the case of bulletins giving the results of periodic surveys of the bureau only the latest bulletin on any one subject is here listed.

A complete list of the reports and bulletins issued prior to July, 1912, as well as the bulletins published since that date, will be furnished on application. Bulletins marked thus (*) are out of print.

Conciliation and Arbitration (including strikes and lockouts).

- *No. 124. Conciliation and arbitration in the building trades of Greater New York. [1913.]
- *No. 133. Report of the industrial council of the British Board of Trade on its inquiry into industrial agreements. [1913.]
- No. 139. Michigan copper district strike. [1914.]
- No. 144. Industrial court of the cloak, suit, and skirt industry of New York City. [1914.]
- No. 145. Conciliation, arbitration, and sanitation in the dress and waist industry of New York City.
 [1914.]
- No. 191. Collective bargaining in the anthracite coal industry. [1916.]
- *No. 198. Collective agreements in the men's clothing industry. [1916.]
- No. 233. Operation of the industrial disputes investigation act of Canada. [1918.]
- No. 255. Joint industrial councils in Great Britian. [1919.]
- No. 283. History of the Shipbuilding Labor Adjustment Board, 1917 to 1919.
- No. 287. National War Labor Board: History of its formation, activities, etc. [1921.]
- No. 303. Use of Federal power in settlement of railway labor disputes. [1922.]
- No. 341. Trade agreement in the silk-ribbon industry of New York City. [1923.]
- No. 402. Collective bargaining by actors. [1926.]
- No. 468. Trade agreements, 1927.

Cooperation.

- No. 313. Consumers' cooperative societies in the United States in 1920.
- No. 314. Cooperative credit societies in America and in foreign countries. [1922.]
- No. 437. Cooperative movement in the United States in 1925 (other than agricultural).

Employment and Unemployment.

- *No. 109. Statistics of unemployment and the work of employment offices in the United States.
 [1913.]
- No. 172, Unemployment in New York City, N. Y. [1915.]
- *No. 183. Regularity of employment in the women's ready-to-wear garment industries. [1915.]
- *No. 195. Unemployment in the United States. [1916.]
- No. 196. Proceedings of the Employment Managers' Conference held at Minneapolis, Minn., January 19 and 20, 1916.
- *No. 202. Proceedings of the conference of Employment Managers' Association of Boston, Mass., held May 10, 1916.
- No. 206. The British system of labor exchanges. [1916.]
- *No. 227. Proceedings of the Employment Managers' Conference, Philadelphia, Pa., April 2 and 3, 1917.
- No. 235. Employment system of the Lake Carriers' Association. [1918.]
- 'No. 241. Public employment offices in the United States. [1918.]
- No. 247. Proceedings of Employment Managers' Conference, Rochester, N. Y., May 9-11, 1918.
- No. 310. Industrial unemployment: A statistical study of its extent and causes. [1922.]
- No. 409. Unemployment in Columbus, Ohio, 1921 to 1925.

Foreign Labor Laws.

- *No. 142. Administration of labor laws and factory inspection in certain European countries. [1914.] Housing.
 - *No. 158. Government aid to home owning and housing of working people in foreign countries. [1914.]
 - No. 263. Housing by employers in the United States. [1920.]
 - No. 295. Building operations in representative cities in 1920.
 - No. 368. Building permits in the principal cities of the United States in [1921 to] 1923.
 - No. 424. Building permits in the principal cities of the United States in [1924 and] 1925.
 - No. 449. Building permits in the principal cities of the United States in [1925 and] 1926.
 - No. 469. Building permits in the principal cities of the United States in [1926 and] 1927. (In press.)

Industrial Accidents and Hygiene.

- *No. 104. Lead poisoning in potteries, tile works, and porcelain enameled sanitary ware factories.
 [1912.]
- No. 120. Hygiene of the painters' trade. [1913.]
- *No. 127. Dangers to workers from dusts and fumes, and methods of protection. [1913.]
- *No. 141. Lead poisoning in the smelting and refining of lead. [1914.]
- *No. 157. Industrial accident statistics. [1915.]
- *No. 165. Lead poisoning in the manufacture of storage batteries. [1914.]
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